

## AR TARGET SHEET

The following document was too large to scan as one unit, therefore, it has been broken down into sections.

DOCUMENT #: n/a

TITLE: Comments on Tentative Agreement  
Regarding the FFTF TPA  
Milestones – Appendix B  
Volume 4 of 5

EDMC#: 0051685

SECTION: 4 of 5

51685  
4 of 5

**APPENDIX B**  
**VOLUME 4 OF 5**

**COMMENTS ON THE TENTATIVE  
AGREEMENT REGARDING  
THE FAST FLUX TEST FACILITY  
TRI-PARTY AGREEMENT  
MILESTONES**



**U.S. Department of Energy  
U.S. Environmental Protection Agency  
Washington State Department of Ecology**

**April 1998**

January 20, 1998

001226

**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form  
Portland, January 14, 1998**

The Tri-Parties would like to hear from you regarding the proposed changes to the Tri-Party Agreement Fast Flux Test Facility Transition Milestones. Please provide your written comments below and give to an agency representative at the public meeting, or send to:

Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

Dear Mr. Hughes and Mr. Stanley:

I attended the 1/14/98 hearing, however I was unable to testify because I needed to leave at 10 pm. Much to my surprise, my name had not yet been called. Thank you for listening to my comments, as well as those of my Portland area neighbors.

I am vehemently opposed to any action which would help to restart the Fast Flux Test Reactor. I am therefore, also vehemently opposed to modifying the Tri-Party Agreement to remove or cripple the wording of restrictions for Hanford Cleanup and the deactivation of this reactor. I realize that under current circumstances (i.e. reactor in "hot standby status") the goals and restrictions of the agreement may not be immediately achievable. But, until we have determined how to proceed, the Tri-Party Agreement must not be dismantled. A commitment has been made to the people of the Northwest and of this nation that Hanford will be cleaned up. It must be cleaned up in the health implications of radioactive waste. Let us not be cowardly and hide our heads in the sand from the ultimate facts - Hanford is a timebomb - waste has already leaked into the Columbia.

I, my friends and neighbors want you to keep your word to us that, as difficult as it may be, no matter how complex and frustrating a problem it is to solve, it must be given due attention NOW.

Regarding the Fast Flux Test Reactor is ~~not~~ an elegant and enormously expensive proposal. It is arrogant to charge both into production of more nuclear waste while failing to acknowledge the known health effects of the waste and the inability to date, to clean up existing waste. It is grossly incompatible to further jeopardize the people and ecosystems of this region by not only diverting money away from cleanup, but by simultaneously increasing the risk of more contamination.

I believe we are counting on you to fulfill your commitment to the rest of your ability, that you will keep 'Hanford a cleanup site. It is the honorable course of action and the people of the northwest, especially myself, will thank you a thousand-fold when we are finally able to stop the terrorists ~~not~~ of putting our heads together and figuring out how to make the Hanford area safe again.

Thank you for listening.

Sincerely,

Jacqueline S. Fern  
6433 SE 19th Avenue  
Portland, Oregon 97202  
(503) 234-8705 (H)  
(503) 797-1861 (W)

cc: Roger Stanley

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I believe that any change to the Tri-Party Agreement which would bring FFTF closer to active status, would be a criminal act. There is plenty of evidence to link radiation exposure with increased cancer rates, so any radiation-producing facility will cause sickness and slow death for humans & animals.

Why would we risk that? Does it make our lives more exciting?

I have seen several relatives and friends die of cancer, and I'm only 40. I assure you that these events have not been exciting; rather, they cause me to question the sanity of those who create more radiation and more pesticides. I am angry, and getting angrier by the day.

Sincerely,

Holly A. Whitney 1-19-98

2235 N. Alberta St.  
Portland, OR 97217-3508

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From Kristin Mikalson  
Box 5542  
Vancouver, WA-98668  
(email: CoughR61@aol.com) <sup>5542</sup>

To Mr. Hughes:

At 9:45 P.M. I left the meeting not knowing how soon my name would be called - thus this letter.

As a 58 yr old Spokane native white American who got lots of "tans" in the 50's - not knowing that Thorium 90, iodine 131 (& one other forgotten element) was landing on me, the vegetables I ate and the milk supply of the milk I drank as I grew up 1939 on. Not everyone got such nice tans in the Spokane summer suns as I - and the follow-up results through the years were: multi-handicapped child having a mitochondrial disease (RETT SYNDROME), 2 miscarriages (something wrong with those fetuses), son with mild learning disability, I have hypothyroidism, fibromyalgia (mitochondrial disease again) like the 700 women who showed up 2 yrs. ago to hear Dr. Bennett's (D.H.S.U.-M.D.) lecture on fibro... in SPOKANE - why is Spokane the 2nd highest city in the world for multiple sclerosis? yes - the Hanford emissions from 1944 - 1980's. Nuclear power is not clean, leaves generations damaged from spills, releases, underground contamination leading to the once mighty Columbia River - etc.

In 50 years after the Vietnam Vet of Gulf War Vets are taken care of by our government, perhaps the

- ① Return all \$ to the clean-up
- ② Do Not restart FFTF.
- ③ Start cleaning up the Hanford mess.

I lived in Spokane 1939-1957

Pullman 1958-1961

then left the area without a thyroid  
checking from age 20!

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I am opposed to any restart of the FFTF in any capacity. I have submitted oral and written testimony on this issue for more than a year without any response from my Government. I would appreciate a response in a timely manner. Please answer the following questions:

- ① Why are you allowing corporate profit to take precedence over human health and ecosystem integrity,
- ② Why are you willing to violate an agreement (TPA) that was negotiated in good faith. The restart of the FFTF would violate the spirit and intent of the TPA
- ③ How can you allow the clean up of Hanford to be delayed yet again when the need is more dire than it has ever been.
- ④ Do you have any potential conflicts of interest, or any other individuals in your department. Why has Secretary Penn not responded to my comments. Even a form letter would be a start.

Please respond Sam.

Mark A Brown  
1246 SE 51<sup>st</sup> Ave  
Portland, OR 97215



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The litany of reasons to not disassemble the TPA milestones would fill volumes, but I will highlight just a few. First, Hanford is already the most polluted site in the Western hemisphere, if not the entire world. It has compromised the public and environmental health for 55 years, and probably will for hundreds of thousands of years. There are continued threats of radioactive releases, if not the actuality of releases. Wastes released to air, to groundwater, to the Columbia River have all been noted. More waste at Hanford is not to be recommended. Yet the FFTF will contribute more. And it will divert funding to clean the waste already in place and moving toward the river and the population.

In addition, peer-reviewed research is establishing that radiation effects are insidious over the full spectrum of exposure doses. Epidemiological studies are also demonstrating that the legacy of Hanford <sup>is an</sup> already increased incidence of cancers and developmental disorders among the millions of downwinders. The studies are showing that the lowest doses of radiation can have effects stretching over generations. The proposed use of FFTF for medical purposes makes a mockery of the findings. There are safer, cleaner methods for tritium production; may I suggest that tritium from decommissioned weapons be used for the medical purposes.

As with the atom production complex in the past, use of the FFTF now will <sup>be a</sup> method of robbing from the future to meet a mismeasured, short sighted perceived immediate need.

JACK SPADARO, PH.D.

*Jack Spadaro*

2234 SE GRANT ST  
PORTLAND, OR 97214

001231

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DON'T START IT AGAIN! WE  
DON'T NEED THE TRITIUM  
CLEAN IT UP.

CARLOS REYES  
3222 NE Schuyler  
Portland, OR 97212

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*For the sake of life on this planet, please  
discontinue all production at the  
Hanford plant and clean up the  
mess we've created*

*Sincerely*

*Elizabeth Atty*  
*Elizabeth Atty*

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Dear Mr. Hughes

The WA. St. DOE is being jerked around by the US Dept of Energy (where is the EPA?) The people of the N.W. are counting on the DOE to be our voice to clean up the Hanford mess. Some of our knowledgeable, elected officials will had a memory as the TPA are no longer in office (Don Bunker, Mike Lantry, Al Williams etc.). We need to keep on track toward clean up.

We should put the FFTF back on a shut down schedule. This is an old reactor and should be decommissioned for at least safety reasons if not for health reasons.

Eventually, all of us that are "downwinders" will die. It is up to us now to do the work that needs to be done. We know "clean up" is relative but at least we can stop adding to the problem. Just because the agreement has been broken does not mean we throw out the mission. Don't let the TPA get picked apart. The FFTF must stay in it and be shut down for good. The US Dept. of Energy should pay back the State of Washington the wasted clean up dollars.

Sincerely, Rockelle Giddings  
12211 C St S - Tacoma, WA 98444-5111

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P.O. Box 550 N2-36  
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Dear Mr. Hughes:

~~I would like to submit a copy of my letter to Secretary of Energy Federico~~  
~~Pena~~

~~which tells of my opposition to the proposed Fast Flux Test Facility. The Tri-~~  
~~Party Agreement should be left alone and the clean-up money for Hanford should~~  
~~be <sup>a</sup> restored to the job for which it was intended.~~

Thank you .

Sincerely,

*Duane H. Freeborn*

Duane H. Freeborn  
6675 SW Whistling Court  
Beaverton, OR. 97008

January 20, 1998

6675 SW Whistling Court  
Beaverton, OR. 97008  
January 17, 1998

Mr. Federico Pena  
Secretary of Energy  
James Forrestal Building  
1000 Independence Ave. SW  
Washington, DC 20585

Dear Secretary Pena:

I attended a public hearing January 14 about restarting the nuclear reactor in Washington (state) as a test facility with option for tritium production. (Article from THE OREGONIAN enclosed.) It is appalling to me that such an idea has come this far. I join the three hundred plus people who crowded the hearing room to voice their concern--and justifiable anger about such a proposal.

As it now stands, Hanford is the "Chernoble of the Columbia" with contaminants on the way to our groundwater system. We need to clean up this wasteland, not add to the pollutant stockpile. That over \$30 million a year has been diverted from this crucially important job to keep this facility in "hot standby mode" is incomprehensible to me. It also sounds illegal.

At a time when we are beginning to reduce our nuclear weaponry, plans to produce tritium flies in the face of sanity. The message it sends to the Russians does not bode well for negotiations on the START treaties, nor does it lend credence to the problem of what to do with the nuclear waste already created when tritium production would greatly add to that problem.

The bottom line is that this plan is illogical, wasteful, and highly dangerous. I urge you to shut this facility down, and do all you can to keep Hanford out of the bomb business in the future. We need cleanup, not more plutonium in our beleaguered Northwest.

I look forward to your response.

Sincerely,

*Duane H. Freeborn*

Duane H. Freeborn

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I don't know how the Clinton Administration can be considering re-building the war industry at Hanford. The nuclear arms race is supposed to be over.

Here in the Northwest we do not want you people to re-start the fast flux reactor, which almost reaches meltdown every time it starts. We do not want to live with the danger of it. And we don't want money spent on it when you apparently don't even have sufficient funding to do the right kind of clean-up job.

We do not want the Russians to think we're trying to re-start the arms race.

Please forget fast flux--and use the money to get on with the clean-up of Hanford. That is what we desperately need.

Sincerely,

*Mary E. Bolton*

Mary E. Bolton  
1061 SW Stephenson Ct  
Portland, OR 97219

001236

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P.O. Box 550 N2-36  
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(509) 373-9381

Sir,

Please reinstate TPA FFTF milestones for complete clean up of Hanford. The mission at Hanford should be clean up not re-starting FFTF for Tritium production.

Now is the time for the U.S. Government to pay back the State of Washington the \$100 million invested on FFTF stand by operations.

Please do not ship 30 metric tons of weapons grade plutonium into the state of Oregon or Washington. What do you plan to do with the 60 metric tons of waste that will be produced? Who will accept it?

I would like to know how can you spend \$32 million on "hot standby" instead of spending the money on medical monitoring of both downwinders and downstreams? Is it OK for 6-12 people a year to die of radioactive poisoning?

Please don't attempt to say this is for medical use of isotopes. That is B.S. and you know it. There is no market for isotopes in the U.S.A.

I ask that you: (1) take FFTF off "hot standby," (2) reinstate milestones for clean-up completion by 2001, (3) pay back the State of Washington all money stolen from cleanup appropriations.

Sincerely Donald W Fontenot

Donald Fontenot  
2230 SE Oak St.  
Portland OR 97214-1636



001237

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Seattle, January 20, 1998**

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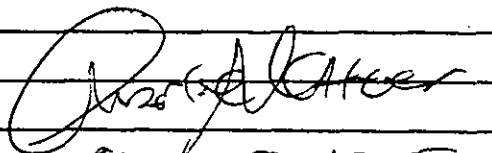
Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

DON'T UNDERSTAND WHY YOU WANT TO AMEND  
THE TRI-PARTY AGREEMENT FFTF IN ORDER TO  
PRODUCE TRITIUM, BOLSTERING THE DEADLY  
POWER OF NUCLEAR WEAPONS. THESE WEAPONS -  
AND THE POLITICAL LOGIC BEHIND THEIR  
PRODUCTION - REALLY SCARE ME.

AFTER SITTING THROUGH THE FIRST EVER  
PUBLIC HEARING I HAVE ATTENDED, MY FEELING  
THAT THE EARTH, THE FISH IN THE COLUMBIA  
RIVER, AND OUR LIVES ARE MORE IMPORTANT  
THAN INCREDIBLY DESTRUCTIVE WEAPONS WE  
HOPE WE'LL NEVER USE. WHETHER OR NOT WE  
USE THEM, WE CANNOT CONTROL THEM.  
WASTE IS LEAKING INTO THE GROUND, INTO  
THE WATER. THIS SCARES ME, TOO.

PLEASE DO NOT ALTER FFTF, AND IF  
YOU DO, DEMAND THAT MORE MONEY AND  
EFFORT BE PUT INTO CLEANUP AT HANFORD,  
NOT BIGGER WEAPONS THAT KILL BETTER.

THANKS FOR LISTENING.



CHARLIE MEATEER IV  
210 10th AVENUE  
SEATTLE, WA 98122

I PREFER  
CLEAN  
WATER.  
THANKS



← COLUMBIA RIVER FISH

001238

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Hanford's Fast Flux Test Facility should not be exempted from the Clean Up Agreement. It should not be restarted for Tritium production. We do not need the Tritium to continue to build up our nuclear arsenal. The production of Medical Isotopes is just a smokescreen.

We can not put the the health and safety of the people of Washington State, the workers at Hanford, and the environment, especially the precious Columbia River, at risk for nuclear weapons production.

Get on with the Clean-up. Respect the Tri-Party agreement. Listen to the extremely concerned public.

Thank You

Sarah Jaynes  
951 29th Ave  
Seattle, WA 98122

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It seems pretty clear to me that changing the Tri-Party Agreement to allow the restart of the FFTF is a bad idea without any real medical, economic, or social merit.

We don't need more bombs. We do need to clean up Hanford. The current mess at Hanford is a clear testimony to the problems associated with nuclear production. We've had enough. Please stop.

Sincerely,

Haron Opatom

3166 21st Ave E.

Seattle, WA 98112

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Seattle, January 20, 1998

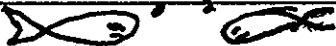
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*I speak for the fish in the Columbia river,  
and the hawks in the beautiful desert sky.*

*Give us a  
chance to live*

*No Nukes!  
Peace on Earth!*



*I feel that this issue is just that simple.*

*Yours Truly  
M.N. Serratt  
3104 W. Gov Way Seattle, WA 98199  
Patriot, Veteran  
Voter*

*206-285-1449*

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Bruce,

① Without a doubt for the reasons given at this public hearing, tritium is not needed.

② We restart nuclear weapons production and we jeopardize put in doubt the good faith of our nuclear disarmament program

③ There is a <sup>pervasive</sup> ~~practically~~ record of carelessness in management at Hanford.

④ Cleanup is our mission in these times. No delay, no jeopardy of this mission should we, will we put up with.

Kathleen Myers, DDS.

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I wish to go on record as being IN OPPOSITION  
to restarting FFTF at Hanford.

We have enough nuclear warheads and do NOT  
need more tritium to produce more. The use of  
need (for tritium) for medical reasons is a  
smoke screen and red herring.

Please listen to the people of WA state and  
do not restart FFTF AND put government  
resources toward CLEAN UP!

Karen Bachelder  
Seattle, WA 98115

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I have been married for 25 years to a Hanford downwinder - one of the people you can't afford to resist. My husband is also my best friend. Marrying him is the smartest thing I ever did.

Based on the DOE's long and consistent history of intentional and accidental releases of radioactivity, and the pollution of the aquifer under Hanford and the Columbia River with nuclear waste, I don't trust your competence or your integrity.

I am afraid for my loved ones. I know that the damage done by radiation is like that done by tobacco smoke. The injury is made silently, painlessly, microscopically, that is, secretly. I'm not sure if a you can ever prove that a given disease can ever be traced with certainty to a source of radiation or to tobacco smoke.

The nuclear industry, therefore, can hide behind this uncertainty just as the tobacco companies did for so long. I see two differences between radioactive pollutants and tobacco:

1. You can choose not to smoke.
2. The government is no longer supporting the tobacco industry.

Morally, I do not think tobacco executives are inferior.  
Carol Woods

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The FFTF must be shut down <sup>permanently!</sup> (1) Tritium production is not a valid reason for start-up. Need for tritium is dubious, especially with START-II + future arms reduction treaties.

(2) Medical isotope production is a silly reason to re-start FFTF.

First, our supply is abundant from existing sources, with numerous back-up supplies available.

Second, medical isotopes should be produced privately by private industry who will benefit financially from their sale. There is no need for the US government to get into medical isotope production as that private industry would do it if there was an actual need. It seems that there must either not be a need since private industry in the US has not taken up production or they think it's a <sup>smart</sup> deal for them to have the US government produce + subsidize it for them!

Third, if there were to be medical isotope production at FFTF, the isotopes have a very short useful life so would need to be flown (by plane) rapidly to the nuclear medicine sites. Has anyone considered the environmental + public health risks of flying radioactive materials out of Tri-Cities daily (or several times daily)?

(3) Clean-up should be the only mission of Hanford.

Janna Rolland

Seattle, WA

1/20/98



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MR HUGHES / DOE :

MY 10 YEAR OLD DAUGHTER ASKS HER PARENTS WHY ADULTS  
CONTINUE TO PUT PROFITS ABOVE PUBLIC SAFETY.

THE DANGERS OF FFTF START UP AND CHANGING THE HANFORD  
CLEAN UP PRIORITIES ARE OVERWHELMINGLY NEGATIVE TO THE  
PEOPLE OF WASHINGTON + OREGON. WE BROUGHT OUR FAMILY  
HERE FROM CALIFORNIA 7 YEARS AGO BECAUSE WE VALUED  
THE ENVIRONMENT AND WERE DISCOURAGED BY THE POOR  
POLITICAL + ECONOMIC DECISIONS MADE BY POLITICIANS +  
BUSINESS PEOPLE IN CALIFORNIA AND COULD NOT SEE RAISING  
A FAMILY IN THAT ENVIRONMENT.

WE DO NOT NEED TRITIUM, NUCLEAR WEAPONS, AND THE  
MATERIALS THAT SUPPORT THEIR CREATIONS. WHEN DO WE  
LEARN FROM OUR MISTAKES, BE THEY POLITICAL, ECONOMIC  
OR CHEMICAL? ALL SAFETY RECORDS SHOULD BE RELEASED  
WHETHER CLASSIFIED OR NOT IF THEY SHED LIGHT ON  
SAFETY VIOLATIONS PAST, CURRENT OR FUTURE.

THE TPA + SECRETARY OF DOE SHOULD NOT BE SOLELY  
COMINGLED WITH DECISION MAKING ABILITY TO CARE FOR THE  
PEOPLE OF WASHINGTON + OREGON. MEET GOVERNOR  
LOCKER'S CRITERIA AND GET BACK TO CLEAN UP.

OVER

Due by 2/20/98

001246

**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form  
Seattle, January 20, 1998**

*The Tri-Parties would like to hear from you regarding the proposed changes to the Tri-Party Agreement Fast Flux Test Facility Transition Milestones. Please provide your written comments below and give to an agency representative at the public meeting, or send to:*

Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

Changes to Tri-Party Agreement FFTF Transition milestones is in direct contradiction to the wishes of the citizens of the State of Washington. I am opposed to these changes. However, I do support the establishment of realistic milestones that are not already out of date for the continuing deactivation, fuel wash, and complete system shutdown of FFTF. I do not support the changes.

Changes to TPA FFTF transition milestones represents a direct assault ~~to~~ to the covenant that TPA represents between the citizens of Washington, BPA, DOE & the state of Washington. So, whether Sen O'Leary's action to place FFTF deactivation on standby is legal or not, it's wrong and I oppose it.

Eric Rehm  
353 Wallace Way NE # 3  
Bainbridge Is., WA 98110

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Richland, WA 99352  
(509) 373-9381

Please do not change the Tri-Party Agreement to allow the exemption of the Fast Flux Test Facility. I am opposed to seeing the FFTF restarted. We need to stick to the path of cleanup at Hanford. This is a very serious issue. The FFTF is a waste of tax \$ and we need to see cleanup. FFTF will create more waste. Hanford has enough nuclear waste to clean up already. AGAIN - Do not change the TPA to exempt FFTF Cleanup milestones.

**Tri-Party Agreement Fast Flux Test Facility  
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Stopping the cleanup & shutdown of the FFTF was a breach  
of public trust ~~with~~ ~~breach~~ in the Tri-Party agreement.

We will not accept deletion of the cleanup milestones as a  
ratification of this unilateral action on the part of the energy  
secretary. If further steps in the wrong direction (against cleanup)  
are taken, you will certainly encounter greater and greater public outcry  
and organizing until cleanup resumes.

Reinstate and honor the Tri-Party agreement, and use  
cleanup funds for cleanup.

- Milo Fryling  
12038-4th Ave. NW  
Seattle, WA 98177

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

I am a biochemist. I have worked with tritium and other isotopes. I know how valuable isotopes are for research and for cancer treatment. But I also know the record of the DOE and Hanford. So I'm skeptical that any medical isotopes will come out of restarting FFTF. Even if medical or research isotopes are produced, and even if there were not other sources, these isotopes will never cure as much cancer as will be caused by the non-medical isotopes that will be released when, as even DOE scientists predict, the FFTF melts down, or the coolant burns or the waste leaks like the rest of the site. This is on top of all the waste that won't be cleaned up because we're diverting money to FFTF. And on top of the unbelievable stupidity of continuing the arms race by making more tritium for weapons, when we're allegedly not even in a cold war.

I urge you to obey the rule of law, to stick with the Tri-Party Agreement as agreed, and to STOP FFTF.

-Frank Zucker  
3808 Interlake Ave N  
Seattle WA 98103

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Up until now I was very confused, but suddenly, I understand exactly what's going on. It's a classic scenario. The DOE asked the people to dance. We agreed, with a little stipulation called the TPA. The DOE continued to woo us with words like "safety" and "medical isotopes". But we weren't fooled. We all know exactly what was on your mind. I'm wondering whether the DOE plans on at least kissing us all... before they screw us?

ALLISON DUNGAN

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

*I am against restarting the FFTF.*

*As clinical cardiologist I have used diagnostic medical isotopes (esp. Technetium and Thallium) numerous times and have never experienced a shortage of isotopes. Supplies from Canada (and West Europe) are reliable, 2 new reactors in Canada will become operational next year - assuring future supplies.*

*There is no need for tritium production either. If we do restart FFTF other countries will do the same and produce new tritium - do we want that? Can we prevent this? -*

*The USA needs to be a moral and not only a military leader. The future lies in promising international treaties - not in production of tritium.*

*Wolfgang Kluge M.D.  
1048 Innis Arden Dr.  
Shoreline / Wash. 98177*

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I am frightened. Listen to me.  
This is an uneloquent, emotional plea.

My name is Kate Kirkham. I am  
22 years old. I believe our environment  
is far more important than any arguments,  
dollar amounts, nuclear bombs, or any other  
ridiculous stumbling blocks causing human beings  
to hesitate cleaning up poisons that  
kill and maim other human beings.

My life changed today. A friend of mine  
gave birth to a baby boy at 7:45 this  
morning. I watched a human being take his  
first breath, let out his first cry of  
surprise, and recognise the voices of  
his mother and father. Life is a gift. This  
planet is a gift. We individuals are  
gifts given to each other. I am afraid  
as I move out of adolescence and ~~it~~ into  
adult hood ~~at~~ of the morals of the people  
in power. Hopefully this plea is read  
by someone with the power to change, to  
act on his or her own morals and  
fears for the next generation. Why have past  
generations thrown away the gifts of  
humanity, of a beautiful, clean river, why?  
Clean up Hanford, Now. For my generation, for  
the next generation, for every generation after  
this. We have given you, the Department of Energy →



our power to do right by us, the people. We  
the people hired you, we hired you to do  
right by us for our children, our children's  
children. I am watching my generation move  
into places of power, start families, began  
to effect change. But you are in power, you  
sit in the offices of the Dept. of Energy.  
You represent us. And we believe the powers that be  
must stop importing Plutonium into Washington,  
must stop ~~down~~ dirtying our air, soil, and  
water. I ~~do~~ believe we all are intelligent enough  
to hear the arguments against restarting  
Hanford's FFTR reactor. Do not change the TPA.  
Do not increase the wrong doings. Listen to  
the people. Listen to your morals. Spend  
money on <sup>preventative</sup> research, clean up, medical  
care for those downwind... Not on restarting  
a dangerous money pit. Seepage is no joke.  
Contamination with million-year half-lives  
is no joke. Do not poison your fellow  
human beings and destroy the gifts given to  
us. This problem is bigger than us already,  
do not inflame it and endanger our earth.  
SHUT IT DOWN FOREVER AND CLEAN IT UP NOW!

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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
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January 20, 1998

We must ~~not~~ make any changes in the Tri-Party Agreement Fast Flux Test Facility Transition Milestones. The FFTF must ~~not~~ be restarted to produce any tritium. We don't need any tritium for our nuclear weapons nor do we need the proposed medical isotopes.

As a teacher, I teach my children to tell the truth, clean-up their own messes, and look for peaceful ways to settle conflicts. Restarting the FFTF, producing tritium, and diverting clean-up funds to keep the FFTF on "hot standby" is wrong.

Nuclear weapons, the only real reason ~~now~~ DOE wants to restart the FFTF, are morally wrong. There is no wavered thought that can conclude our country needs any nuclear weapons.

We must take a moral stance today. It is the brave and RIGHT thing to do to say, "NO more FFTF, no FFTF restart, nothing but CLEAN UP!"

Sincerely,

Elizabeth A. Roberts  
2132 NE Sunset Ln.  
Bremerton, WA 98310

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Richland, WA 99352  
(509) 373-9381

FFTF, or any other site that could produce tritium, should not be used to make tritium. The production of any materials for nuclear weapons needs to cease immediately. Nuclear weapons are morally wrong and must be abolished. The restart of FFTF goes against our moral obligation -- and legal duty under international law -- to disarm all our nuclear weapons (see Article VI of the Nuclear Nonproliferation Treaty). The restart of FFTF is part of a larger strategy by DoE to maintain & refine its nuclear arsenal under the Stockpile Management Program<sup>(SWP)</sup> despite our legal & moral obligations to disarm. This strategy is illegal & immoral & serves only <sup>for us</sup> to grasp & cling to ~~a~~ weapons of unimaginable mass destruction. We must disarm. We must not restart FFTF. We must reverse the Stockpile Management Program. We must abolish nuclear weapons, starting with our own.

Brian E. Watson  
2132 NE Sunset Ln.  
Bremerton WA 98310

P.S. I would like a timely response.

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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

Dear Mr. Hughes,

My comments are to completely oppose the proposed or any changes to the Tri-Party Agreement from its mission of CLEAN-UP

As a citizen of the State of Washington, I am one-third of this agreement. Please do not negate my States participation in this agreement by starting a Fast Flux Test Facility.

We do not need more tritium for H-bombs. We do not need the FFTF for medical isotopes. We need to decommission nuclear warheads, not create more.

We need to clean up Hanford, not contaminate it further.

Don't change the Tri-Party Agreement from its original mission of clean up of Hanford.

Thank you.

Devin Jones  
3237 NW 62<sup>nd</sup> St  
Seattle, WA 98107

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HOW CAN YOU SLEEP COMFORTABLY KNOWING  
THE HONEST TRUTH ABOUT THE HISTORY OF  
PRODUCING BomBS?

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*I am in support of using FFTF  
for tritium production and isotope development.*

*Jeff Lashburn  
Yakima, Washington*

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At a time when the cold war is over and there is no longer a nuclear standoff.

At a time when there is still a ridiculous level of overkill in the global nuclear arsenal.

At a time when Hanford is one of the most contaminated spots on the planet.

At a time when some of this contamination has leaked into aquifers that empty into the Columbia river, home to salmon-spawning beds and whose water is used for drinking and irrigation of food crops.

... the DOE proposes to revise the TPA in a way that effectively diverts money from cleanup into tritium production.

QUITE FRANKLY THIS PROPOSAL IS ABSOLUTELY INSANE!

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

See Attached

H. Salby



14512 N.E. 173<sup>rd</sup> Street  
Woodinville, WA 98072  
21 January, 1998

Ernest J. Hughes,  
U.S. Department of Energy  
Richland, WA 99325

Dear Mr. Hughes:

I am attaching this letter to your Written Comment Form obtained at the Fast Flux Test Facility (FFTF) Public Comment Hearing in Seattle on 20 January, 1998.

I would like to qualify myself. I am not a political activist prone to protest. I am a retired Air Force Officer with continued affiliations and interest in the Military; I have worked in the Civilian Aerospace industry for the past 19+ years; and I am a long-time casual environmentalist with memberships in a variety of related organizations. I am also a solid taxpayer citizen and I try to keep abreast of a wide array of Government activities that impact my interests.


I attended the Public meeting on 20 January with an open mind, carefully read pro and con FFTF information available, and attentively listened to both "sides" of the issue. My response to your invitation for comments is made only after thoughtful deliberation and consideration of the FFTF proposal under study. I admit that my attitude is somewhat influenced by my apparent exposure to early Hanford "downwind" radioactivity which has led to added information regarding past Governmental activity that at the time was not open to public knowledge. Conversely, with 22 years of active duty as an Air Force Pilot during the Cold War, I am also aware of the various challenges facing the United States, which includes the necessity to maintain some level of nuclear weapon capabilities.

I hope the above comments serve to validate this input to you.

Mr. Hughes, in my opinion, there is absolutely no reasonable requirement to proceed with the effort to modify (and subsequently delete) the FFTF transition milestones from the Tri-Party Agreement. The requirement for Tritium is just not there; our nuclear arsenal will continue to be sufficient without replenishing the supply of Tritium. We do not need to maintain that level of destructive capabilities. The citizens of this State do not want Plutonium shipped to Hanford; we want Hanford cleaned-up and closed down; not perpetuated for any reason including MOX fuel, etc. Finally, I agree completely with the Activists opposing this issue; the requirement for Medical Isotopes is a "Smoke-screen." I am prone to believing the Doctors and supporting their views with far more confidence than I have in the DOE position that FFTF will provide a critical supply of Medical Isotopes.

This FFTF proposal has no grass-roots support. An overwhelming majority of the Citizens of the Northwest would reject the modification of the Tri-Party Agreement if it were put to a vote. Please; discourage the plan, to the full extent of your Office influence and capabilities. Let's really start thinking of the future and clean-up Hanford completely, once and for all.

Very Sincerely,

  
Harold A. Solberg

Copies to:

Gov. Gary Locke; Gov. John Kitzhaber; Rep. Rick White; Sen. Slade Gorton; Sen. Patty Murray

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

Dear Mr. Hughes,

I was present at the hearing about FFTF in Seattle on January 20, 1998. I thought that the speakers were excellent, and found the hearing to be very informative.

I try to be objective and not fanatical with how I view our environment in the Northwest, but when irreparable damage is being done to our oceans, our atmosphere and the ground, I sincerely believe that the United States should set an example to the rest of the world by setting high standards for itself.

The mistrust of government has reached even the most true believers of democracy and government, myself included. If the U.S. Government overrides the Tri-Party Agreement which gave so many of us hope that Hanford would be cleaned up, it will only instill more mistrust than ever in those of us who feel let down by our government.

My request to you and those whom you represent, is that you make the clean-up of Hanford a precedent-setting trend for the world to see.

Thank you.

Charles K. Beck Jr.  
2226 Queen Anne N.  
Seattle WA 98109

001261

001262

From: Kris & Ann Henderson  
2846 NW 58th  
Seattle, WA 98107-2504  
(206) 783-0677

Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form  
Seattle, January 20, 1998

(we are both  
registered voters)

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- ① How dare you change the status of the reactor before conditions have improved? Not only was it not appropriate but from my (little) research it appears to be ILLEGAL!
- ② We don't need or want tritium anymore. This kind of reactor is ~~not even~~ not even proven to be safe! We are not lab rats for your private & whimsical use. (to kill & mutilate)
- ③ Regarding medicine isotopes: the FFTF reactor is ~~the~~ the least efficient, most costly, ~~most~~ most dangerous & messiest.
- ④ I cannot overemphasise this one: We must make cleaning up the existing contamination our First priority. Anything that detracts in ANY way is unacceptable. It has been officially confirmed that OUR GROUND WATER IS CONTAMINATED at the source ~~for~~ for hundreds of thousands of people directly & immediately as well as a million acres of prime crop land which affects countless people, locally & nationwide. If a foreign ~~power~~ power had been responsible for the groundwater contamination, we would be at war! If you try to ~~ignore~~ ignore this travesty, you'll be violating everything we hold precious. You will be declaring war on us & you'll get war.

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PLEASE PROVIDE TRAINING TO WORKERS WHO  
WILL LOSE JOBS WHEN HANFORD FAST FLUX  
TEST FACILITY IS CLOSED DOWN,

COULD THEY BE TRAINED TO DE-CONTAMINATE  
THE HANFORD RESERVATION?

THE FFTF OBVIOUSLY MUST BE SHUT DOWN.  
TESTIMONY GIVEN HERE TODAY IN SEATTLE  
HAS PROVEN THIS. THE AREA MUST BE  
DE-CONTAMINATED.

RESEARCHERS AND DOCTORS FROM THE UNIV. OF  
WASHINGTON MADE IT CLEAR WE DO NOT  
NEED THE FFTF TO PROVIDE MEDICAL  
ISOTOPES.

I DO NOT WANT TO SEE 33 metric tons of  
weapons grade plutonium brought into WASHINGTON  
STATE. I DO NOT WANT TO SEE 60 TONS OF  
MORE RADIOACTIVE WASTE CREATED BY PROCESSING  
PLUTONIUM. DON'T WE HAVE RADIOACTIVE  
CRAP IN THIS STATE ALREADY?

Yours,

Mason Taylor, A Downwinder born in Pasco in 1944,  
whose father died of cancer.

Mason Taylor  
11725 23rd Ave NE  
Seattle WA 98125 5247



ERNEST J. HUGHES  
U.S. DEPT. OF ENERGY  
P.O. BOX 550 N2-36  
RICHLAND WA 99352

99352/0530



Tri-Party Agreement Fast Flux Test Facility  
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P.O. Box 550 N2-36  
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(509) 373-9381

SIR: re the argument for production of medical isotopes:  
Among those familiar with this argument, including  
physicians who use isotopes (in testing & in treatment)  
and including basic scientists, it is well understood  
that the FFTF is not necessary.

DR Ken KROHN, Ph.D., chief radiochemist at U.W. Medical  
School, has stated the current system of medical isotope  
production is cost-effective & will provide for future  
needs without the addition of a major facility such as FFTF.

\* WE DO NOT NEED FFTF for medical isotopes.

Thank you -

Alexander R. Stevens M.D.

5711 NE 77<sup>TH</sup> ST.

SEATTLE WA 98115

tel 525-8895

RETIRED MEDICAL ONCOLOGIST  
(and isotope user)

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Richland, WA 99352  
(509) 373-9381

Due to the overwhelming turnout at tonight's hearing, I am unable to stay long enough to address my comments in person, so I submit them in writing.

I strongly oppose restart the FFTF facility. The choices made by government employees over the past 50 years has created a legacy of: 1) Irreparable damage to our homeland and its residents, 2) billions of taxpayers' dollars spent trying to repair damage that should never have happened, and 3) a loss of public faith in government's ability to operate honestly, safely, and responsibly. Hanford's shut down and clean up ~~is~~ are vital and overdue steps in the right direction. Breaking these commitments and robbing clean up funds to renew production at Hanford is an outrageous betrayal of the public trust. The history of the Hanford site gives us no basis for trust. I see no legitimate reason for restarting FFTF or for not continuing clean up in a fully ~~set~~ funded, on schedule way.

Sincerely —

Peter Hughes

15915 81st PI NE

Bothell, WA 98011

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P.O. Box 550 N2-36  
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(509) 373-9381

I am a single mom, and I drove to Seattle, a 40 minute drive, from the suburbs because I am extremely concerned about the duplicity and deception surrounding the changes to the TPA.

Not only am I opposed to the startup and production use of FFTF, but I also want to see the secrecy and obfuscation eliminated.



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Richland, WA 99352  
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The proposed changes to the TPA and the unilateral decisions of the Secretary of the DOE to divert the mandate and money for cleanup are unacceptable. The money belongs to the people not corporations and not even the Pentagon. We are tired of paying taxes to support a bloated military and completely unneeded and evil nuclear weapons. The School buses in my County (Kitsap) are 30 years old and falling apart and yet Washington State is called upon to shoulder Pentagon pork and nuclear madness. Do we need a more tritium enhanced nuclear weapons when the lines at Soup Kitchens are getting longer and longer?? Besides, what right do we have to contaminate the Columbia river and groundwater with nuclear waste and leakage? This is a crime! ~~I suggest that we do~~ I DEMAND that we clean up the FFTF at Hanford and shut the damn place down!

Sincerely,

Stephen Augustine

15 N.E. Brookdale Lane, #B301  
Bremerton, WA 98311

I would like a written response  
to my statement please.

**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form  
Seattle, January 20, 1998**

*The Tri-Parties would like to hear from you regarding the proposed changes to the Tri-Party Agreement Fast Flux Test Facility Transition Milestones. Please provide your written comments below and give to an agency representative at the public meeting, or send to:*

Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

*This evening I had the privilege of hearing some  
very persuasive statements by parties who oppose the  
creation of the FFTE. I would like to voice my support  
for the cleanup of the FFTE and my opposition to matters  
being retarded.*

**Tri-Party Agreement Fast Flux Test Facility  
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Richland, WA 99352  
(509) 373-9381

AS DIRECTOR OF WATER QUALITY FOR THE COLUMBIA  
GORGE WINDSURFING ASSOCIATION, I AM REPRESENTING  
THE INTERESTS OF MANY THOUSANDS OF  
WINDSURFERS WHO RECREATE EACH YEAR IN THE  
COLUMBIA RIVER.

TURNING ON THE FFTF CAN ONLY INCREASE THE  
HEALTH HAZARD TO THOUSANDS OF HUMAN  
BEING. WE ARE OPPOSED TO ANY ACTIVATION  
OF THE FFTF.

PETER RYSAVY  
117 NE 59TH ST  
SEATTLE  
WA 98105

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

Mr. Hughes:

Please consider this as ~~the~~ my formal comment regarding TPA changes.

Headline → "Tank waste leaking into Columbia River"

DOE response → "We don't have the \$ to drain tanks"

Headline → "Downwinders Monitoring can save 8 Lives a Year"

DOE response → "We don't have the \$ to monitor downwinders"

Instead you want to divert \$32 million/year from clean up into weapons production?!

Citizens in Wash & Oregon do not want this. Pay attention to us!

*Tiffany Devoy*  
Tiffany Devoy  
6000 Greenwood Ave N  
Seattle WA 98103

PS - And about changing the TPA - you could just do whatever ASDOE wants all the time. Get a backbone!

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P.O. Box 550 N2-36  
Richland, WA. 99352  
(509) 373-9381

Dear Ernest,

Please consider this as my formal comment regarding the proposed TPA changes. Please don't omit FFTF from the TPA. FFTF is a very dangerous reactor with the possibility to explode if it is restarted. This was found through DOE's own internal documents and commented on by DOE's own scientists/engineers. For the safety and health of Northwest citizens, I hope you'll reconsider these changes and do what I know the people want done.

Thanks

Sincerely,

Rebekah S. Wamsley  
Heart of America Northwest

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I am vehemently opposed to restarting Hanford. It is a proven pollution-creating facility. There is virtually no end to the life of radioactive waste. There is NO REASON STRONG ENOUGH to restart FFTF.

Every person I spoke to today was violently opposed to restarting FFTF. Nobody supports creating any ~~more~~ more nuclear weapons. Nobody believes it can be produced without creating an environmental nightmare.

Medical isotopes as a byproduct do not outweigh the environmental dangers created by a restarted FFTF.

Why can't DOE just decide we won't agree to restart the FFTF? Let the Secretary of Energy find some other place ~~to~~ which wants to poison its land and citizens. The citizens of the Pacific Northwest don't want it.

I know that I represent <sup>thousands</sup> hundreds of people who feel similarly. People do not want the production of nuclear bombs ~~any~~ to continue.

Spencer Beard  
202 12<sup>th</sup> E  
Seattle WA 98102

001273

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

1/20/98  
Seattle Center

We shut down the N-Reactor years ago for a good reason: nuclear fission doesn't work in a civilized society. Your area is poisonous in the extreme, and you live in a National Sacrifice area, as you know. We do not have any moral reason to continue manufacturing nuclear weapons, nor to perpetuate the wasteful, humorous, callous and utterly deadly technology called nuclear power.

I believe this is another hideous brick in Star Wars, exporting nukes to space via missions like Cassini, loaded with plutonium. You know we have enough weaponry on this planet now to destroy it 1000 times over. Why do we need "fresh Tritium"? WE DO NOT!

I want my peace dividend, not another bout with Stanford's poisonous practices. I want an end to nuclear threats, not continued proliferation. HOW CAN WE EXPECT START II & III to be signed by the former Soviet Union, when we continue to make nuclear weapons? Again, the heights of hypocrisy come from the US Dept. of Energy, along with the military. How dare you?

Grow up, boys! We want safe, renewable, solar & wind & geothermal energy, not more weapons, Tritium-based, to threaten the future of the whole world.

NO FFTF!

NO FFTF!! NO! Clean it up!

And pay back the fund for cleanup!

Holly Graham  
3640 B Ave NW  
Olympia WA 98502-2513

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Richland, WA 99352  
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I oppose the changes x I am opposed to nuclear war, particularly to hydrogen bombs x The idea of having them made, or tritium to make them up to date made here in Washington State is repellant.

Second, I am appalled at the pollution — and potentially more pollution — of the Columbia River x

Third, I have been informed by reliable physicians that there is no need to make medical isotopes at FFTE. The current <sup>system of</sup> production is cost-effective and adequate.

Victoria H Campbell  
63 E. Roanoke  
Seattle 98102



001275

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

*We do not need more tritium. We have plenty of nuclear weapons and are trying to be parts of international agreements to stop nuclear fighting. We certainly don't need H Bombs.*

*We don't tritium for medical isotopes. We can get them from other sources.*

*We want to continue cleaning up Hanford. All our money should go toward clean-up.*

*Sincerely,*

*Jane Starns*

*5711 NE 77 St  
Seattle 98115*

Tri-Party Agreement Fast Flux Test Facility  
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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

Dear Mr. Hughes,

I am appalled by the delay in clean up of the legacy of past years of nuclear production at Hanford. The possibility of restarting another production of nuclear weapons is unacceptable.

Do not allow the FFTF to go on line. It is not acceptable to the citizens of Washington to produce more waste and begin again this despicable problem of the management of the disposal of this hazardous waste. I want the clean up of Hanford to be done. Please don't rob this effort of the money set aside to do this. Stop FFTF.

Sincerely yours,  
Margaret T Swartzma

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Making more nuclear waste will certainly be a decision we will come to regret. Anticipating this, I would like it spelled out where the responsibility will lie for disasters such as meltdown, contamination of the Columbia River, the Pacific Ocean and nearby land as well as the life it supports. I would like a detailed analysis such as the cost to various industries such as fishing and farming and subsidies to those affected by loss due to high level radioactive waste.

Of course, no amount of money can really clean this up because of the long half life and deadly characteristics of the waste. We will kill ourselves long before we will ever need the weapons produced.

Please clean up the mess that is already there. No FFTF

Evelyn Lewis  
4812 S. Alaska St  
Seattle, WA 98148

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

ENOUGH ALREADY YOU IDIOTS!!!  
ENOUGH POISON, ENOUGH BOMBS  
ENOUGH CORPORATE PROFITS, ENOUGH  
CANCER, ENOUGH WASTED TAX MONEY  
ENOUGH OF YOUR GODDAMN TRASH!  
I'M SICK OF IT. HAD ENOUGH  
NO, MORE! SHUT IT DOWN, CLEAN IT  
UP!



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Thank you for diligent efforts to maximize human benefit and security, while maintaining safety and reasonable expense. It is my belief that perhaps our most dangerous adversary is domestic, as I have personal experience, while seeking a piloting position with Delta Airlines in Atlanta (I flew for Continental for nearly 5 years), with Nazis at the "Good ole Days Inn Georgia" (Tom Metzger's quote was a reference to a place (the Atlanta based Days Inn Hotel Company) not a time).

I am very well aware that the primary directive, at least in my case, is "expediency." Current policy protects expressions of nazism under the 1<sup>st</sup> amendment, rather than actively pursued and prosecuted as treason, forgetting the 350,000 American dead in Europe in World War II, and making mockery of Veterans and Memorial Holy days.

Despite my nightmare case, I recognize that the "Mission is Bigger than the men." Inherent with more quantity comes more chaos, particularly dangerous in an era of diminished resources. Therefore, our resources must be used judiciously, including minding our pennies at Hanford, while insuring domestic tranquility (and securing the country's defense).

Of course, it helps to have faith in the Merciful God in Heaven, as I do. ~~But~~ Continued success and, please, exercise as much wisdom as you can. Concentrate on it, instead of your Golf game.

"New Clear Thinking... October, 1962"  
"What is the 'What' we're, 1962"

Lt. James Waters, U.S.C.G. - IT (inactive)

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Nuclear waste is basically forever and we can  
not adequately store it that long, certainly not  
economically.

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I support the removal of FFTF from  
the yolk of TPA milestones.

The goal of FFTF to test for commercial  
applications does not belong under TPA  
regulation.

It would be a crime to lose isotope production  
and it is not in keeping with the "spirit" of  
TPA goals to prevent such a "positive"  
use for FFTF facility.

JUDY K. WATTS

4607 KENDALL WAY

WEST Richland, WA

99353

**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
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Seattle, January 20, 1998**

**001282**

*The Tri-Parties would like to hear from you regarding the proposed changes to the Tri-Party Agreement Fast Flux Test Facility Transition Milestones. Please provide your written comments below and give to an agency representative at the public meeting, or send to:*

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P.O. Box 550 N2-36  
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(509) 373-9381

I support the removal of the FFTF transition  
milestones from the Tri-Party agreement.

Scot Fitzgerald

1109 W 15th Pl.

Kennewick



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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

I would like to provide my opinion regarding FFTF Tri-party agreement public hearings. I am an analytical chemist working on the waste remediation project at Hanford. I have read various literature to gain information to use to form this opinion.

As is often the case, I believe there to be extreme right and left sides to the issue. I believe this issue is a minor one, and should not take very much time or resource to decide. The right side clearly perceives that any decision made to remove the FFTF milestone objectives from the current TPA will "open the door" to the use of the reactor. That is presumptuous and is only holding up the issue at hand. The tentative agreement letter signed 10/19/97 by management of the USDOE, WDOE, and EPA pledges to resume shutdown and cleanup activities of FFTF using the current objectives in the TPA if the decision is made to shutdown the reactor permanently, thereby cutting planning cost and time.

I recommend amendment of the TPA to remove the FFTF cleanup commitments. This is not an achievable commitment and is likely to affect funding to the current waste remediation. The past few years have shown positive cleanup activities. Corporate budget cuts have made the site leaner, yet still committed. Further support cuts will hinder our efforts.

I would like the opportunity to be heard on the issue of the tritium and medical isotope production prior to decision scheduled for the end of this year. Please allow for public hearing again.

Sincerely, Robert W. Schroeder

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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

Dear Mr Hughes,

My name is Mike Walter I am in favor  
of the FFTF Restart

Professor Gary of Seattle gave a talk  
on that we have plenty of medical Radec Isotopes  
through the year 2025. With Mr Hughes I plan  
to stay until 2030 and I could quit  
if I like live at least through the year 2048  
or beyond and what will happen if I contract  
cancer after the year 2025. Also if  
if we run out of medical isotopes after  
the FFTF is gone then it may will could  
take at least 10-15 years to produce more  
this takes in to account from virgin ground  
to production time.

Also being a janitor. I think  
10/20 that shutting the FFTF would void  
safety heat the infrastructure and standard  
as well as and also are suppliers

Thanks for your time

Sincerely Mike Walter

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*Set aside the milestones - save the FFTF - produce medical isotopes*

001285

*J.W. Finnigan 7372 Enterprise, Richland, WA 99352*

001286

*John R. Fleming 307 Spawglass Rd Richland WA 99352*

001287

*Grand J. Howard 626 Barrard St. Richland WA 99352*

001288

*TAMMY N. CRISP 1507 Jackson Av. Richland WA 99352*

001289

*William P. McCoe 1712 Birch Ave Richland, WA 99352*

*Save FFTF - Produce medical isotopes*

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(509) 373-9381

*Set aside the Milestones - Save FFTF  
for medical isotopes production*

- 001290 *Barker J Cunningham 255035 Pagu Rd* *Kenneth 99331*
- 001291 *Anna M. 382 Wright Ave Richland Wa* *99352*
- 001292 *Hilbur Rees 220 Wright Ave. Richland, Wa* *99352*
- 001293 *Reba Rees 220 Wright Ave Richland Wa* *99352*
- 001294 *Dean Hall 76 Park, Richland, WA* *99352*
- 001295 *Gerald L. Butler 2314 Ferndale Ave. Richland, WA* *99352*
- 001296 *and E. Taylor 1107 GILMORE APT 6 RICHLAND, WA* *99352*
- 001297 *Spud G. 1130 ORCHARD CT. Richland, WA* *99352*
- 001298 *Bruce A. Spamer 730 Garwood Ct, Richland, WA* *99352*
- 001299 *Melanie Ojczyk 3322 Polo Greens Ave W Richld, WA* *99353*
- 001300 *Belle Harris 2303 Duportail Richland, WA* *99352*
- 001301 *Robert Phillips 318 Spring Street, Richland, WA* *99353*

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*Set aside the milestone - SAFE FFTF*

*Charles Salina - Lu Fumler*

**001302**

**001303**

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001306

*Henry A. Steen**Set aside the milestones - Save the FFTF.*

001304

*D. J. Cogdollar*

001305

*D. J. Lewis*

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001307 Larry L. Groumet Save FFTF for production of medical isotopes.  
001308 John P. Chauden's Save FFTF for production of Medical Isotopes.  
001309 Sherry LUKAIA Save FFTF

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*Please sit aside the milestone for decommissioning the  
FFTF and utilize it for medical isotopes.*

001310

001311

001312

001313

001314



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001315 Gene Dudley Save FFTF

001316 Patlene O'Neil Save FFTF

001317 Bill Ristinger SAVE FFTF & produce isotopes

001318 RICK PARSONS SAVE FFTF & PRODUCE MEDICAL ISOTOPES

001319 Milton Lewis Produce Isotopes

001320 Mary Ann Allmann Use FFTF to produce medical isotopes

001321 Ginger R. Kow We need medical isotopes - save FFTF

001322 Jim Watson Need medical isotopes - FFTF is the way

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*Set aside the milestones to shut down  
FFTF and preserve it for start up  
to produce medical radioisotopes.*

001323 *Allen Boston*

001324 *Louis Garmpfing*

001325 *Robert B. Haff*

001326 *William C. Cannon*

001327 *Charles B. Cannon*

**Tri-Party Agreement Fast Flux Test Facility  
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Richland, WA 99352  
(509) 373-9381

*I fully support removal of the FFTE  
transition milestones from the TPA and  
look forward to the upcoming national  
debate on restarting that reactor.*

*Bill Green*

*424 Shoreline Ct.*

*Richland, WA 99352*

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*I would recommend that FFTF Transition  
Milestones be removed so that FFTF can be  
utilized rather than be demolished. DOD  
needs tritium in the near future. FFTF  
can provide it in a cost-effective manner.  
Later, other means of tritium production can  
be used. This arrangement would provide  
FFTF with a means to start the production  
of medical isotopes.*

*Roger A. Rohrbacher*

Mr. Roger Rohrbacher  
1612 S. Dawes St.  
Kennewick, WA 99338

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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

I would like to urge you not to support the exemption of the FFTF reactor at Hanford from the TriParty Agreement.  
Hanford, the most polluted nuclear site in the western hemisphere, should not be the site for more dangerous pollution. I do not believe the citizens of eastern Washington should be subjected to more risk of radioactive contamination. Exmepcting the FFTF and thereby diverting funds from clean up gives the public reason for serious doubt that the additional waste will be dealt with appropriately. Once the TPA is broken, the public's trust is lost. We have no guarantee that the storage of radioactive waste from the new production will be dealt with safely, with this past record.

I want my tax dollars to be applied to clean up efforts.

I am concerned for my family's safety. From everything I have read, there is a real risk of explosion, leakage, and continued waste pollution. Radioactive waste has already been detected in the ground-water at Hanford, and will soon be in the Columbia River.

I have seen no convincing arguments that radioactive isotope production is necessary. I have, however, read numerous mediactal testimonies to the contrary. I am shocked ate the dishonest efforts to deceive the citizens of the Tri-Cities into believing production of more nuclear products will be an altruistic mission for them. It is heartbreaking to see the federal government once again deceiving the citizens of this area into a life-threatening situation. Haven't the numerous cancer victims attested to enough sacrifice from this region of America?

*Susan Babylon*

**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form  
Richland, January 22, 1998**

*The Tri-Parties would like to hear from you regarding the proposed changes to the Tri-Party Agreement Fast Flux Test Facility Transition Milestones. Please provide your written comments below and give to an agency representative at the public meeting, or send to:*

Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

I support the temporary suspension of FFTF Transition milestones (Tri-Party Agreement) while the facility is still under consideration for restart. It makes no sense to spend money and effort on milestones that could prove counter productive.

Stephen Gringer  
2715 W. 5<sup>th</sup> Ave.  
Kennewick, WA 99336

**Tri-Party Agreement Fast Flux Test Facility  
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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

I WISH TO SUPPORT THE REMOVAL OF FFTF FROM THE TRI-PARTY  
AGREEMENT MILESTONES. I ALSO WISH TO STATE THAT I SUPPORT  
RESTART OF FFTF FOR THE PRODUCTION OF TRITIUM AND MEDICAL  
ISOTOPES.

LINDSAY A. NELSEN  
1631 TEAL CT.  
N. RICHLAND, WA  
99353



**Tri-Party Agreement Fast Flux Test Facility  
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Richland, WA 99352  
(509) 373-9381

*Because to date no one has found  
a safe, long lasting (longer than  
half lives involved) disposal  
solution for radioactive waste,  
any steps toward re-start of  
FFTF are steps against humanity.*

*Sandra Cannon  
803 Valencia  
Walla Walla  
99362*

**Tri-Party Agreement Fast Flux-Test Facility  
Transition Milestones Public Meeting  
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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

- Hanford Helped us win WWII
- Hanford Helped us win the Cold War
- Lets give it a chance to help in the battle against cancer
- Radio isotopes are used in hospitals around the country on a daily basis
- Nuclear Medicine Doctors are developing many new techniques for using those isotopes - we should not have to rely on foreign sources for these cancer fighting substances
- Revising the Tri-Party Agreement Milestones only makes sense. It is the right thing to do!

Larry Flist  
153 MacArthur St.  
Richland WA 99352

**Tri-Party Agreement Fast Flux Test Facility  
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P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

*Please protect, preserve & use FFTF.*

*Set aside the milestones & produce medical isotope*

*John Gage*

001338

*Use the FFTF to make medical isotopes*

001339

*Wally Hunt Jack Rogers*

001340

*Make medical isotopes in FFTF* *Paul Vondra*

001341

*Let's use what we have! Goodbye*

001342

001343

Due Back to  
DOE 2/21

**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form  
Hood River, February 12, 1998**

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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

It makes no sense to  
produce more lethal  
radioactive waste until  
we know how to dispose  
of said waste, SAFELY.

**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form  
Hood River, February 12, 1998**

Due Back to  
DOE 2/21

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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

2-12-98

Do not take the FFTF out of  
the Tri-Party Agreement. Clean up  
the mess now!

The Hood River hearing was a betrayal  
of public trust. It was a farce to call  
it a public hearing where the public's  
comment was wanted when a huge  
local community was not allowed to  
speak until 9:40 pm. This was manipulated  
by arranging an early signup at 5 pm  
that was unpublicized but apparently  
well known by a large group of Tri-City  
folks who arrived early and knew enough  
to even divide their signatures between  
the 2 lists. This was a sham and a  
disgrace.

Cindy LeBrater,  
Director  
Columbia River United

Due Back to  
DOE 2/21

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P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

if you restart the  
Handford and yes i know  
I mis-spelled it

I will kill every mother  
fucker that's here!!

~~NO~~ NO I'm just  
kiddin' or maybe  
oh I misspelled that too!!

001346

**Tri-Party Agreement Fast Flux Test Facility  
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P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

Please keep your promise with TPA.

Thank you,  
Denny White

P.O. Box 1183  
White Salmon WA 98672-1183

**Tri-Party Agreement Fast Flux Test Facility  
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Richland, WA 99352  
(509) 373-9381

2-13-98

Dear Sirs -

I would like the Tri party agreement upheld. I Oppose using cleanup money to maintain the FFTF reactor. The TPA milestones must never be deleted.

Thank you,

Diane Camero  
1027 Columbia St  
Hood River

OR

97031



**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
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Hood River, February 12, 1998**

Due Back to  
DOE 2/21

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P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

*Listen up:*

*We're sick and tired of economic interests of  
the rich oligarchy putting the rest of us at risk.  
Do not change the TPA FFTF milestones.  
Clean up the mess of Hanford. Do not make  
any more messes.*

*Deidre Duffey  
Box 152  
Huson, WA  
98623*

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I strongly oppose any deferment or deletion of the TPA milestones relative to the FFTE. I oppose any move toward production of any nuclear materials at Hanford. I insist the TPA be (not only) left intact but the TPA be fully implemented and enforced.

An agreement is just that, and I don't consider the TPA negotiable.

We have other options for radioactive isotopes, cancer remedies, and national defense / bomb production. None of these support valid arguments to produce radioactive materials.

Finish the clean-up @ Hanford, THEN come to us about more production - and only THEN.

*Patricia Janger*

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Richland, WA 99352  
(509) 373-9381

In short, I am strongly opposed to modifying the Agreement, as I am to any reactivation of a production mission at Hanford.

I could take 20 pages to describe why I am opposed, but do not see that as necessary. Hanford is one of the most potentially <sup>poisonous</sup> sites on earth. I and my family <sup>live in the region.</sup> dangerous

I believe the Cleanup has not been conducted efficiently so far. Not nearly enough has been done compared to the funds expended.

All funds expended at Hanford must be spent = solely on cleanup. We need much greater effort in cleanup, and no further production.

This proposed amendment attacks the integrity of the Agreement, and of the cleanup effort. It is one more step in the wrong direction. Please pay attention to the position and reasoning of the State of Oregon.

Jerry Masay  
P.O. Box 151  
Mosier, OR 97040

001351

**Tri-Party Agreement Fast Flux Test Facility  
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P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

*Please stop the reactor restart.  
We have enough nuclear waste  
that we have not safely disposed of.  
Let's focus on safe clean-up instead.*

*Luc Hartford, RD  
3580 Thurman Rd  
Hood River, Or. 97031*

*PS - Why isn't EPA representation here?*

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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

Please delete the Tri-Party Agreement milestones pertaining to closure/dismantling FFTF. Preserve the reactor for the much-needed production of medical isotopes. Present supplies are insufficient for diagnosis and treatment of cancer and other afflictions. Traditional treatments for cancer are agonizingly traumatic compared to those possible with medical isotopes. As a Three-time cancer survivor, I speak from unhappy personal experience which could have been avoided if medical isotopes had been available. Laurel Pippio, 1334 Sacramento St. Richland, WA 99352. (509) 943-3415 (See attached article). Laurel Pippio

# Fast Flux Test Facility can aid cancer research

By LAUREL PIIPPO

Cancer survivors, cancer patients, their friends and families will be interested in how bringing the Fast Flux Test Facility at Hanford up to speed could have a positive effect in cancer treatment.

I am also writing my representatives in the U.S. House and Senate, reminding them that a dead constituent can't vote. Public and congressional support can help save lives by having FFTF in Richland produce tritium for defense, which affects use of the reactor for developing nuclear medicine, specifically isotopes for curing cancer.

My interest is personal. I've had cancer four times from January 1988 through April 1993. First, morphea basal cell carcinoma, which required amputating a couple of chunks of my nose followed by reconstruction by plastic surgery. Not life threatening, but if you don't do something your nose rots off.

Second, a radical mastectomy followed by six months of chemotherapy and breast reconstruction. Third, lung cancer, the lower left lung lobe removed surgically followed by a series of three horrible vaccinations at Ottawa General Hospital in Canada to prevent a recurrence. Fourth, two malignant lumps on my mastectomy scar, removed surgically followed by 35 radiation treatments, which aren't bad until the skin is so burned it bleeds.

I'm fine now and am not paranoid about having cancer again, but sometimes I wonder if or when the other shoe will drop. I hope to be around to vote in the next election or two.

An important purpose in my life and perhaps a reason I'm still alive is trying to achieve less painful and more successful cures for cancer through convincing people it's a feasible idea.

I've discussed cancer treatment with executives and/or scientists who are working on cancer treatments and cures by developing nuclear medicine - isotopes - by Advanced Nuclear and Medical Systems, a Washington state-based business interested in privatizing Hanford's FFTF.

I don't have the technical expertise to explain how that could be done in connection with developing tritium for defense purposes.

Don Segna, director of advanced planning, ANMS, tells me 93 percent of cancer patients in the terminal stages for non-Hodgkin's lymphoma being treated by the Fred Hutchinson Cancer Research Center and the University of Washington are showing long-term complete remission and possibly a cure. We need to get that in general practice as soon as possible.

Another scientist tells me that Hutchinsonson will not treat people over 60 with this condition. I'm 69. That got my attention. How do you suppose they tell people, "We can cure you and save your life, but we won't for X reasons because you're too old. Go home and die."

As I said, this treatment cured 93 percent of those treated. The key to treatment with isotopes is it's much easier on the patient than surgery or chemotherapy or radiation. Isotopes affect primarily the cancer cells, not other parts of the body, as chemotherapy and radiation do.

Scientists are beginning to use targeted isotopes for treating more solid tumors such as those in colon, lung and breast cancer. That got my attention. I hope it gets yours, too.

Segna tells me scientists have had 100 percent success curing solid tumors in animals. Now they need to test the treatment on humans, what Segna calls "proof of concept." It takes about \$7 million a year for one human trial of about 30 people for just phase one.

The treatment is much less traumatic than chemotherapy. Chemotherapy is as close to being in hell as I can imagine. Cancer patients will demand a kinder, gentler treatment. I hope never to be one of them again.

FFTF can be the central isotope producer in the nation, because the Tri-Cities have the technology, the facility, the expertise and support community.

By the way, I am a hospice volunteer. My current patient is dying of cancer of the colon. Recently I attended a weekly meeting of volunteers, social workers, nurses, nurses' aides and doctors to go over the status of our patients.

Five died of lung cancer and one of leukemia the previous week. Of those still alive but dying, 23 have cancer: four prostate; two multiple myeloma; three colon; seven lung; three breast; one rectum; one squamous cancer; one fallopian tube; one leukemia. Nine have non-cancerous diseases. The six already dead and 23 dying of cancer won't be voting in any more elections.

Research proved isotopes can cure animals of solid tumors. The "proof of concept" applied to curing humans needs to be proved, also. But it may never happen if you don't use your political influence to make the research possible. Help keep us voters alive.

P.S. My hospice colon cancer patient can't vote. He died last weekend.

■ Laurel Piippo lives in Richland. Soapbox columns are submitted by Post-Intelligencer readers.

Seattle P.I. 1997

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Written Comment Form  
Hood River, February 12, 1998**

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P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

Bizarre "chicken+the egg" story that the effects of earlier radionuclide releases  $\rightarrow$  generational cancers w/  $\uparrow$  mortality/morbidity in the Hanford documented  $\rightarrow$  now becomes the reason to repeal the TPA milestones + reopen FFTF @ Hanford!

To choose a treatment method for one type of cancer + not try to  $\downarrow$  the causes of environmentally triggered cancers is NOT a logical or responsible decision. All human beings have a responsibility to future generations to clean up the messes of previous generations to preserve both our earth + our race.

Restarting the FFTF @ Hanford is a <sup>politically/economically</sup> short-sided, ~~potentially~~ decision.

My father died at 59 from Prostate CA - I know he would not have chosen a  $\downarrow$  that threatened the lives of his children + grandchildren.

Jan Thomson, RN  
1203 State St  
Hood River, OR 97031  
541/387-3008

Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form

~~Richland, January 27, 1998~~

~~HOOD RIVER FEB 12, 1998~~

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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 99352  
(509) 373-9381

I AM IN FAVOR OF DELETING TPO MILESTONES REGARDING THE FFTF IN ORDER THAT THIS TAXPAYER OWNED, VALUABLE FACILITY CAN PROCEED TOWARD A LIFE SAVING MISSION OF GENERATING MEDICAL ISOTOPES FOR AN AGING SOCIETY. ONE CONCERN AGAINST THIS EXPRESSED BY THE CRITICS IS A PERCEPTION OF RADIATION AS A HAZARD. <sup>AT ANY LEVEL</sup> I WOULD LIKE TO SHARE SOME PUBLICALLY AVAILABLE INFORMATION NOT COMMONLY SEEN. THE USGS HAS ~~DETERMINED~~ DETERMINED THE RELATIVE NATURAL RADIATION DISTRIBUTION FOR THE U.S. IF ONE COMPARES THIS TO THE PER CAPITA CANCER MORTALITY, A NEGATIVE OR OPPOSITE EFFECT APPEARS. FURTHER, THESE MORTALITY DISTRIBUTIONS ARE ~~NOT~~ SIGNIFICANTLY DIFFERENT BETWEEN CANCER TYPES. ~~IF WE~~ ALSO, IF WE CORRECT LUNG CANCER <sup>MORTALITY</sup> FOR SMOKERS, A ~~NET~~ BENEFIT OF RADON EXPOSURE CAN BE SHOWN. THIS IS BASED ON PEER REVIEWED DATA FROM DR COHEN, THE LINEAR NO THRESHOLD CAUSE AND EFFECT THEORY IS BEING SERIOUSLY QUESTIONED.

SO, PERHAPS BRING A DOWNWINDER IS GOOD. YOU SEE, WE IN THE TRI-CITIES ARE SOMEWHAT DOWNWIND OF OREGON'S GREENHOUSE GAS POLLUTER, THE BOARDMAN COAL FIRED ELECTRIC PLANT. ~~THE COAL~~ COAL PLANTS EMIT 100 TIMES THE RADIOACTIVE MATERIAL OF A NUCLEAR PLANT SUCH AS WASHINGTON'S ~~ONLY~~ WNP-2.

OVER



Finally, AKA OF OUR COMMON ENERGY SOURCES  
CAN BE RELATED TO ATOMIC PROCESSES. SOMETHING  
TO BE USED E.P.

Thank You

GARY L. TROYER

641 COTTONWOOD

RICHMOND WA

93352

509 9463425

**Tri-Party Agreement Fast Flux Test Facility  
Transition Milestones Public Meeting  
Written Comment Form  
Hood River, February 12, 1998**

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Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

I am highly opposed to The exclusion of FFTF from The Tri-Party Agreement. The DOE made an agreement to focus The next 30 years on clean-up. This proposal is a breach of agreement.

I am a registered voter - tax paying citizen. Its going to take a lot for my trust in The government to come back. Please take a stand for the American people - not corporations.

It has been proven That there is no market for medical isotopes - so that cannot be used as an excuse to restart FFTF. Please listen to The Science here - radiation has produced more cancer than it can ever cause.

Melissa Finn  
Washington State Voter  
US taxpayer  
PO Box 385  
Trout Lake WA 98650

**Tri-Party Agreement Fast Flux Test Facility  
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P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

My name is Kim Searcy. I am on the board of directors of Columbia River United and I work for Helping Hands-a domestic violence program.

I am opposed to the changes of the tri-party ~~agreement~~ agreement concerning the fast flux test facility.

I do not believe that this situation is at all acceptable. The Standby has been put into effect without public O.K. which means that movement towards the milestones has been stopped.

I have been involved with activism around Hanford for 10 years. For 10 years I have worked & been frustrated & every time someone tells me hooray, progress is being made to the shutting down or clean up of Hanford I do not breathe a sigh of ~~even~~ relief because I do not believe that it will happen until I see it.

Clean up Hanford  
NO Start up

Thank you  
Kim Searcy

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P.O. Box 550, A7-29  
Richland, WA 99352  
(509) 373-9381

Mr. Hughes,

I sincerely hope this comment form does not reach you in vain. I hope this decision has not already been made behind closed doors. Aside from all the science and numbers, I would ask you to use common sense and make a decision with which you can feel comfortable and honestly, morally satisfied when you are looking at yourself in the mirror or looking into the eyes of your grandchildren. Please use common sense and learn from your past. ~~The~~ Nuclear waste is not something to toy with. We don't need anymore tritium - we're already got enough cancer and pollution. Please shut down all operations at Hanford and clean up your mess. Stand up to your commitments in the past.

Thank you,  
Daniel Belin  
US Taxpayer  
Hood River Resident



## COMMUNITY SUPPORT FOR OPERATION OF FFTF

We as concerned citizens and taxpayers strongly support the future operation of the Fast Flux Test Facility (FFTF). This unique and irreplaceable national asset should be used to produce medical isotopes to ease human suffering, to supply Tritium for national defense, and eliminate surplus weapons grade plutonium.

FFTF has an excellent history of safe and environmentally friendly operation. We believe it is the only facility that can start up in time to meet the anticipated demand for isotopes in sufficient quantity and with the purity that is needed for a wide range of uses. We also believe that FFTF would be able to restart and operate at a very much lower cost than other proposed options. We strongly urge that the Department of Energy proceed with the preparation of an Environmental Impact Statement (EIS) for the future operation of FFTF.

	NAME	MAILING ADDRESS	CITY AND STATE
001370	K. KOVER / K. KOVER	458 Mainmast	Richland WA
001371	JOH(L). KENNER	4205 W. NEYEN	Benton City WA
001372	Jo Hunter	1227 Columbia Ave.	SUNNYSIDE, W.N.
001373	Donita Wiggins	5322 SAGEHEN PL.	West Richland
001374	E. Reep	17 S. Volland	Kennecott WA.
001375	L. Hale	P.O. Box 35	Benton City WA
001376	P.L. Marple	1900 Stevens Dr. #721	Richland Wa.
001377	P.H. LeCompte	121305E. GAME FARM Rd	Kenn. WA.
001378	H.K. Arend	1429 Riche CT	Richland Wa
001379	J.A. Munier	303 Bernard	Richland, Wa.
001380	E.A. Vaden	200 Orchard Dr.	Naches, WA 98937
001381	G.L. Atkins	5784 Echo W.	Richland WA 99353
001382	J. Shirey	390 Wright	Richland WA 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
001383	Francis M Reddy	1650 Mowry St, Apt 221, Richland, WA	99352
001384	A. Barton Johnson	426 Franklin St - Richland	WA 99352
001385	James J. Flume	904 So. 7th Ave, Pasco,	WA 99301
001386	Leslie C. Davenport	1922 Mehan Ave,	Richland, WA 99352
001387	Kirk B. Krasch	760 S Yakoma Kennewick	WA 99336
001388	Susan Golladay	1506 SE Oakland	Richland 99352
001389	Ann Evans	Station 4101 Whitworth	Spokane WA 99251
001390	PAUL R. PREVO	108 SHERMAN	RICHLAND, WA 99352
001391	JOHN BOLAND	1724 W 45TH AVE, #3	KENNEWICK - 99337
001392	Wiley Witherspoon	147 Springs St.	Richland WA 99352
001393	Patrick Jennings	2215 Redwood Lane	Richland WA 99352
001394	Gordon S. See	2311 Easton Ave,	Richland, WA 99352-1925
001395	Thomas L. Chase	1712 N 15th Ave	Pasco, WA 99301
001396	John M. Parker	1106 McMurray	Richland WA 99352-2120
001397	Dennis McCall	1724 Hill	Richland WA 99352













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	NAME	MAILING ADDRESS	CITY AND STATE
001443	Vernon C. Kimmell	1719 N 16 <sup>TH</sup>	Pasco WA 99301
001444	Brian J. Dahl	126 So Grant St	Kennewick, WA 99336
001445	Barry J. Heltman	2005 W. 1 <sup>ST</sup>	KENNEWICK, WA 99336
001446	Jack A. Blum	240 High Mar Town	99336
001447	Jack A. Blum	2712 W. FM Naha	Kennewick wa. 99336
001448	B. E. Burley	508 S. MURDER ST,	KENNEWICK WA 99336
001449	Al Dedrick	4551 Sulph. Limb. Rd	PASCO, WA 99301
001450	Margaret K. Riegler	2426 Harris Ave	Richland WA 99352
001451	Linda Dubelow	5004 W. Irving St.	PASCO WA 99301
001452	Nancy A. Kelley	N 4315 ADDISON ST	SPOKANE, 99207
001453	John A.	N. 4315 ADDISON ST.	SPOKANE, WA 99207
001454	Joanne Caprio	1649 Birch	Richland, Wa 99352
001455	John M. Sieffer	2307 Hood	Richland WA 99352
001456	Blair Shumaker	2104 Sunrise Ct. W.	RICHLAND WA. 99352



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	NAME	MAILING ADDRESS	CITY AND STATE
001466	Valerianne B. Meadows	P.O. Box 1705 Richland	WA. 99352
001467	Annie E. Meadows	P.O. Box 1705 Richland	WA. 99352
001468	<del>Donna B. Eash</del> (Judea)	1429 Jarnel Ln. Richland	WA 99352
001469	Donna B. Eash	" "	" "
001470	Lori McGee	7000 W. Van Gieson #521 W. Richland	WA 99353
001471	Shari Hallman	145 Travis Lane Kenn. WA	99338
001472	Donna B. Eash	114 SOMERSET RICHLAND	WA 99352
001473	Erica J. Hohl	257 MATA RD	KENNEWICK WA 99338
001474	Theodore Michael Hohl	257 MATA RD , KENNEWICK , WA	99338
001475	Thuril Hall	500 N VOLLAND ST #76 KENNEWICK	WA 99338
001476	Valeris Rolleson	500 N. Volland #25, Kennewick, wa.	99338
001477	Anna L. Lyle	2500 N. Geo. Wa. Way #122 Richland, wa	99352
001478	Janelle Cypha	6502 W. 36th Ave Kenn. WA	99338

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	NAME	MAILING ADDRESS	CITY AND STATE
001479	Ray W. Womack	5102 S. Peyton Rd.	Kennewick WA
001480	Shirley Davis	403 Wilson	Richland WA
001481	Brian Ruegger	4503 S. CABALLO Rd.	Kennewick, WA
001482	Chris Cooper	6502 36 <sup>th</sup>	KENNEWICK, WA.
001483	Ann Swearingen	402 E. 10 <sup>th</sup> #46	Kenn. WA.
001484	Linda Kay Herrington	4705 N. Corral Creek Rd	Benton City WA
001485	Robert A. Zind	770 W. Shockley - Richland, WA.	
001486	Sharon L. Zinski	770 W. Shockley - Richland WA	
001487	Robert M. Hermann	9004 Whipple Pasco WA	
001488	Linda L. Hermann	9004 Whipple Pasco, WA 99301	
001489	Opal R. Rayner	218 Edgewood Dr., Richland	94533
001490	Betty R. Boston		
001491	Norma Holliday	511 Barber Ct., Richland, WA	



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	NAME	MAILING ADDRESS	CITY AND STATE
001492	Maurice A. Miller	315 Douglass Ave.	Richland, WA 99352
001493	George J. Forger	1313 N. Williams	Kennewick, WA
001494	Raymond E. Kasper	93011 N. Yak. River Dr	W. Richland, WA
001495	Brenda L. Linthier	404 E. 3rd Ave.	Kennewick, WA
001496	Brenda L. Linthier	404 E. 3rd Ave.	Kennewick, WA
001497	Victoria L. Linthier	240 High Meadows	Richland, WA 99352
001498	Scott Stant	10104 Willow Way	Pasco, WA 99301
001499	Jesse Kadys	3807 S. Lucade	Kennewick WA 99301
001500	Walter Jackson	8804 Roberts	Pasco, WA 99301
001501	Ferris C. Hauve	2031 Brambleton Blvd	Richland WA 99352
001502	Val Balked	1004 Robert Jones	Richland WA 99352
001503	Artis DeWald	800 North Center, #33	Kennewick WA 99336
001504	Mervin J. Kasper	P.O. Box 4274 823 N. Elm St.	Pasco, WA 99302
001505	Gary C. Smith	4105 S. Lyle	Kennewick WA 99337
001506	Walter C. Kasper	5024 W. Trade	Pasco WA
001507	Sharon Nogakam	P.O. Box 491	Connell, WA 99324
001508	Grove Woods	1006 B.S. Zillah Ct	Kennewick, WA 99337
001509	Walter S. Woods	1006 S. Zillah Ct "B"	Kennewick WA 99337
001510	Tom Papp	705 W. 24th	Kennewick WA 99337
001511	Sheryl Papp	705 W. 24th	Kennewick, WA 99337

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	NAME	MAILING ADDRESS	CITY AND STATE
001512	G. H. Kleinpeter	1730 Davison	Richland WA
001513	Nita H. Kleinpeter	" "	" "
001514	Betty Charnock	2336 Harris Ave.	Richland, Wa.
001515	Harold O. Charnock	2336 Harris Ave	Richland, Wa.
001516	Michael E. Peterson	5511 64 <sup>th</sup> AVE W	U.P. WA.
001517	Judy Peterson	5511 64 <sup>th</sup> Ave W	University Pl, WA
001518	1015 + Kathryn	111051 Hill Top Ln NW	Seattle 98117
001519	Ruth Orsman	12725-6 <sup>th</sup> Ave NW	Seattle WA 98146
001520	Merle K. Harmon	1452 N. Martha Way	Oak Harbor WA 98277
001521	Sanja P. Harmon	1452 N. " "	" " " "
001522	Elsie Ditchfield	1446 N West Beach Rd.	" " " "
001523	FRDitchfield	1446 N West Beach Rd	" " " "
001524	HG Wittenbrach	4676 E Andee Pl	Clinton, WA 98236
001525	Blair S. Wittenbrach	4676 E Andee Pl	Clinton, Wa. 98236

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	NAME	MAILING ADDRESS	CITY AND STATE
001526	Harry Karachentsov	PO Box 668	Pasco WA 99301
001527	GREG DIXSON	1900 STEVENS DR. Apt. 613,	RICHLAND, WA 99352
001528	Urban Jorgensen	P.O. Box 1190	Richland, WA 99352
001529	JAMES PARKER	40504 E Ridgecrest Dr	Benton City, WA 99320
001530	Barbara Parker	40504 E Ridgecrest Dr	Benton City, WA
001531	Eric Parker	40504 E Ridgecrest Dr	Benton City, WA
001532	JOHN FECHT	79509 N. YAKIMA RIVER RD	RICHLAND, WA
001533	ELIZABETH FECHT	79509 N. YAKIMA RIVER RD	W. RICHLAND
001534	ST Keller	79903 N Yakima River Rd	99353
001535	DAN DANKO	6815 W 7th Ave	Kennec. WA 99336
001536	Jim Rich	7313 W 13th Ave	Kennewick WA 99338
001537	Bob Dole	101 Trade Rd	Pasco
001538	John B. Logan	2407 W. 36th Ave.	Kennewick WA. 99337
001539	Dee W. Rasmussen	218 EDGEMOOD DRIVE	RICHLAND WA 99352
001540	Sarah Barker	2500 W. Entiat	Kenn, WA 99336
001541	Dwight Armstrong	330 Shaw St.	Richland, WA 99352
001542	Russ Richman	P.O. Box 207	Richland, WA 99352
001543	Marilyn Anderson	2401 W. Canal #B,	Kennewick WA 99336

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	NAME	MAILING ADDRESS	CITY AND STATE
001544	Emily Isaacson	2106 Lee	Richland, WA
001545	Charles Rogers	P.O. Box 837	Richland, WA
001546	David Jones	2021 Fairway Ct.	" "
001547	Mike Goto	400 S. Main St	Kennewick WA
001548	Lucas Anderson	1115 E. 23rd	K 99337
001549	Whitney Walker	1115 E. 23rd	Kennewick 99337
001550	Michael M. Foster	3017 W. Pearl	Pasco 99301
001551	G L Bell	5000 S. Dayton Pl	Kennewick 99337
001552	D. A. Menden	2146 SPANISH AVE	RICHLAND
001553	H. J. Golding	1872 Alver Ave,	Richland, Wash
001554	Dave Lucoff	2310 MICHAEL AVE.,	RICHLAND, WA.
001555	Frank Stewart	76704 N YAKIMA RIVER DR	W. RICHLAND
001556	John Linn	1857 Alder Ave	Richland Wa 99352
001557	Debra L. Trevino	1857 Alder Ave	Richland WA 99352
001558	Terri Armistron	76704 N. Yakima River Dr.	W. Richland 99352
001559	Neil Norman	74 Edgewood Dr.	Richland
001560	Alice Shaw	2217 Camas Ave.	Richland
001561	Edward M. Miller	1920 Harris Ave,	Richland, Wa 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
001562	John J. [unclear]	1027 SHELTON PL	RICHLAND WA
001563	W. H. Nelson	4152 Tilden Dr.	West Richland, WA
001564	John David	450 Corner St. W.	Richland, WA
001565	CLAUDE OLIER	1832 W 12th AVE	KENNEWICK, WA
001566	Bob Schweighardt	4614 Yellowstone Ave.	Kennebec 99336
001567	Brian Rogers	1732 BLUE HERON BLVD	WEST RICHLAND, WA
001568	Pam Rogers	1732 BLUE HERON BLVD	West Richland WA
001569	John [unclear]	208 Rocky Mtn CT	Richland WA
001570	Peggy L. Smith	208 Rocky Mtn. A.	Richland WA
001571	Paula Mondhoff	239 Brookwood Loop	Richland, WA
001572	Betty Mondhoff	" "	" "
001573	W. R. Crumley	3650 W. 42nd	Kennebec WA
001574	Robert D. Canell	1731 Davison Ave.	Richland, Wa.
001575	Robert E. Rosta	2340 Geo. Wash. Way	Richland, WA.
001576	John H. Rogers	2317. FERNDALE	" "
001577	Michael W. Bowen	586. SO. TAFT	KENNEWICK, WA
001578	Juan Carlos Olivarri	2034 PHEASANT LANE	WEST RICHLAND, WA
001579	W. Floyd Allen	211 Pine Tree Lane	Richland, WA

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	NAME	MAILING ADDRESS	CITY AND STATE
001580	Derek Jones	1106 W. 29th	Kennewick, WA
001581	Steve Banger	806 S. Penn	Kennewick, Wa
001582	Kenneth E. Walter	8714 W. Bell	Prosser WA
001583	Greg Clark	2113 Beech Ave,	Richland WA
001584	Bob Schuler	2240 Dawson	, RICHLAND WA
001585	DEAN MERRICK	400 W 11th Ave	Kennewick
001586	Joe Nelson	348 Spring St	Richland
001587	Dwain Wertz	2913 Tyson Ct	Richland WA
001588	Joe Sillit	2408 Torbett	, Richland, WA
001589	Robert Jones	1939 S DAYTON PL	Kennewick
001590	Ken J. Schneider	1507 Alder Ave;	Richland, WA
001591	Robert E. Thompson	417 Sailfish Ct	Richland WA
001592	John A. Smith	1724 W 15TH AVE, #3	KENN. WA
001593	Steve Beyer	3003 S BEWTON PL	KENNEWICK WA
001594	James Beyer	3003 S Benton PL	Kenn WA
001595	Day Wooten	1601 SE Oxford	Richland
001596	Eldon Cramer	625 S. Taft St.	Kennewick, Wa
001597	Myrtice Campbell	2119 Beech	Richland, WA

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	NAME	MAILING ADDRESS	CITY AND STATE
001598	R.W. Harrison	2008 Newcomer	Richland WA
001599	B.M. Stanton	2102 N. Rhode Island	Kenn
001600	K.M. Linn	P.O. Box 1186	Richland, WA
001601	Dennis R. Brunsfield	P.O. Box 3073	Richland WA 99352
001602	Joan Faleide	397 N. Arthur St #123	Kennewick, WA
001603	DAN CRAIGER	2406 DOVER	RICHLAND, WA
001604	JOE KING	1537 ADAMS	RICHLAND WA
001605	DICK MARBERG	213905 E, 22 <sup>nd</sup> AVE	KENNEWICK, WA 99337
001606	JOHN MAYHEW	1702 SE Oregon St.	RICHLAND WA 99352
001607	Jean McKenna	63114 N. River Rd.	Benton City WA 99300
001608	DENNIS TILLET	7006 W. 4 <sup>th</sup> AVE.	KENNEWICK, WA 99336
001609	Dennis Smith	1955 Forest Ave	Richland WA 99352
001610	LARRY D. STANLEY	2002 EVEREST AVE.	RICHLAND, WA 99352
001611	Thomas Tenforde	2438 Alexander Ave.	Richland, WA 99352
001612	John F. Fletcher	112 W 28 <sup>th</sup> Ave	Kennewick, WA 99337
001613	John F. Fletcher	112 W 28 <sup>th</sup> Ave	Kennewick, WA 99337
001614	Alan Schell	7805 W Dryadie	Pasco WA 99301
001615	Shirley L. Linn	1700 S Kellogg	Kennewick WA 99338

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[illegible]



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	NAME	MAILING ADDRESS	CITY AND STATE
001692	Curtis A. Kovich	1103 Foxcroft Ln	Richland WA
001693	Kalle H. Hyrkes	500 Cottonwood Dr.	Richland WA 99352
001694	Nancy Harville	901 S. Penn St.	Kennewick, WA
001695	LEONARD HARVILLE	901 S. Penn St.	KENNEWICK, WA
001696	William B. Garrant	7124 W. 4th Ave.	Kennewick WA 99336
001697	Pete D. Heima	17 S. Sherrin St.	Kennewick WA 99336
001698	Steve GUNN	8530 W. Arrowhead Ave.	Kennewick, WA 99336
001699	Mike Woodcock	1311 Farrell Ln.	Richland WA 99352
001700	Vicki L. Enten	302 Torbett #243	Richland WA 99352
001701	Michael J. Conner	302 Torbett #243	Richland, WA 99352
001702	Kevin M. Shinkens	1121 Pine St.	Richland, WA 99352
001703	Edward P. Milner	1415 SE Oregon St.	" " "
001704	Dany Lyai	57803 N Skala Rd	Benton City Wa 99320
001705	Robin G. Hill	2307 Oak Hill Ct	Richland WA 99352
001706	Elizabeth Thompson	54513 N River Rd	Benton City WA 99320
001707	Emily Thompson	54513 N River Rd	Benton City WA 99320
001708	Reed Kalder	11913 Mata Rd.	Kennewick, WA 99336
001709	Sid Galt	22805 ETARA RD	BENTON CITY, WA 99320

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	NAME	MAILING ADDRESS	CITY AND STATE
001710	Martin Bensky	2121 Brimwood Ct	Richland WA
001711	Mont S. Bailey		99352
001712	Bob Van der Cooik	1807 Birch Ave	Richland WA 99352
001713	Marybelen Cox	923 W. Agate	Pasco WA 99301
001714	L. Dake	1860 Oliver	Richland
001715	Bill Shanklin	1117 S. Young St	Kenn WA 99345
001716	Craig Knight	183 Greenview	Rich. WA 99352
001717	El Eggen	1931 Meadows Dr N	Rich " 99352
001718	Alan E. Watter	1617 Sunset	Richland, WA 99352
001719	Anna E Watter		
001720	Joanne F. Tea	413 Winslow	Richland WA 99352
001721	G.W. METTLER	671 MEADOWS DR E.	RICHLAND
001722	Clarence Henri	504 Cascade	Richland
001723	Richard MONLUX	Box 5008	Benton C. Ty WA 99320
001724	Don PARCHEN	1111 ACACIA	Richland, 99352
001725	Allan O. Faleide	2605 W. Canal Dr	Kennewick, 99336-2561
001726	Gloria Bender	22504 S Spruce St.	Kennewick 99337
001727	Tom Bender	22504 S. Spruce	Kenn. 99357
001728	Roger A. Thiede	1314 Birch Ave	Rich 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
001729	William C. Cannon	111 W. Caliente Sands Ct	Richland WA 99352
001730	BRISCUA B CANNON	111 W. CALIENTE SANDS CT. RICHLAND, WA 99352	
001731	Donald S. Lewis	70 MCMURRY ST	Richland, WA 99352
001732	Louis D. Turner	303 CONSTOCK, RICHARD WA	99352
001733	Charlie Salina	1804 HUNT - Richland - Wa.	99352
001734	HENRY A. STEVENS	712 RIVERSIDE DR. - W-RICHLAND, WA	99353
001735	JAMES H. HAWKINS	560-F SPENGLER RD	Richland, WA 99352
001736	JOHN P. FLEMING	307 SPENGLER RD	RICHLAND WA 99352
001737	LINDA F. MUNSON	397 Columbia Point Dr.	Rld WA 99352
001738	JOHN M. CLEMENTS	907 TAYLOR ST.	RICHLAND WA 99352
001739	Tracy D. Rude	2505 SE 14th Pl (R)	
001740	Clyde P. Lomas	1411 Marshall, Richland, WA	99352
001741	Clyde L. Painter	3501 So Fisher Ct.	Kennewick, WA 99337
001742	MARK BLOTZ	412 Birch	Richland WA 99352
001743	Ticky Olivera	1812 W. Brown	PASCO WA 99301
001744	LOUIS A. BELKMAN	425 N. COLLEGE BLVD E105	KENNEWICK, WA 99352
001745	Paula B. Glem	300 Albert	Richland, WA 99352
001746	ERIK LANGLOIS	5604 W. 4th	KENNEWICK WA. 99336

## COMMUNITY SUPPORT FOR OPERATION OF FFTF

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	NAME	MAILING ADDRESS	CITY AND STATE
001747	L. B. Brinkman	426 Jockway	Richland, WA
001748	M. P. Kurik	2525 Harris	Richland, WA
001749	J. B. Vetrano	2623 Harris	Richland WA
001750	G. Vetrano	2623 Harris	Richland WA
001751	George C Evans	610 Corner 1st E	Richland, WA
001752	Don Wick	505 Rd 38	Pasco, WA
001753	Paul H. Bendson	1324 Cedar	Richland, WA
001754	Danny L. Conditte	2144 Harris Ave	Richland, WA
001755	Paul S. Curran	79 Willis	Richland, WA
001756	Robert H. King Jr	7721 River Blvd.	Pasco, WA
001757	Margaret Ruge	404 Rd 37	Pasco, WA
001758	Donna Leech	10016 MAPLE DR	PASCO WA
001759	Norman Leech	10016 MAPLE DR	PASCO WA
001760	Ernest J. King	404 Rd. 37	Pasco, WA
001761	Harry F. Hughes	2003 GEO WA. WAY	Richland, WA 99352
001762	Dave S. Davis	233 Greenbriar W.	Richland WA. 99352
001763	Thelma J. Nelson	130 High Meadow St.	Richland, WA. 99352
001764	Curt B. Roberts	1909 PIKE	Richland WA 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
001765	Richard Nordness	93705 CANADA Crt	Kennewick WA
001766	Leo Bowman	230 Silverwood Crt	Richland, Wa
001767	Mitchel Cunningham	25503 S. Dogue Rd	Kennebec, WA
001768	Richard L. Reel	37007 S. OAK ST	KENNEWICK, WA.
001769	HAROLD CAMPBELL	705 W. 49th	Kenn 99337
001770	George C. Carls	503 S NELSON	KENN 99336
001771	Clark Harris	7916 W. Innalia,	Kenn, Wa 99336
001772	JAMES W CHASE	2417 S Harrison Ct	KENN., 99338
001773	Deon T Hall	76 Park, Richland,	WA 99352
001774	John Fox	2614 Harris Ave	Richland WA 99352
001775	Darlene OnNeil	9202 W. Gage	Kennebec 99336
001776	Reba E Rees	220 Wright	Richland 99352
001777	Shelley E Rees	22 Wright	Richland WA 99352
001778	W. Harris	74 Wille	Richland Wa. 99352
001779	William T Burnett	1855 Stevens Dr.	Richland Wa
001780	Richard L. Petersen	2501 S. Keller	Kennebec
001781	W. L. Anderson	1095 S. W. Lane Ct.	Kenn
001782	Gami Lennick	1915 S HARTERD PL.	Kenn. 99337

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	NAME	MAILING ADDRESS	CITY AND STATE
001783	DAVE CHASE	607 W. SUNDOWN	PARCE WA
001784	DAVID L. MILLS	1612 S. RAINIER ST.	KENNEWICK, WA
001785	BARBARA CANNON	25503 S. DABUE	99337
001786	BOB ELLIS	505 NEWCOMER	RICHLAND 99352
001787	JIM STEWART	506 S. ZINSE	KENNEWICK 99336
001788	The Doolley	2121 HOXIE	Richland 99352
001789	Larry Grumme	642 Saint St	Richland 99352
001790	Peggy Young	2120 Hoxie St	Richland 99352
001791	Jack Tjepner	1204 Banner	Richland 99352
001792	Sherry Linkala	58904 N 435 PR NE	Benton City 99320
001793	Ted Holmes	220 Pinetree Ln.	Richland 99352
001794	Kathryn E. Lacer	624 N Williams	Kennewick 99336
001795	Dale Nichols	624 N. Williams St.	Kennewick 99336
001796	Jim Stegling	4830 Hibiscus W.	Richland 99353
001797	Jeff Latta	PO Box 1267	Richland WA 99352
001798	Gary Lophm	245 Riverwood St	Richland WA 99352
001799	Charlie E. Bryan	220 Goethals	Richland WA 99352
001800	Richard D. Tjepner	2413 Olympic	Richland Wa. 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
001801	Arthur E Barber	353 QUAILWOOD PL.	RICHLAND, WA 99352
001802	Jack C. Willi	82 Park	Richland WA
001803	Wallace M Hunt	423 FAIRFAX CT.	" "
001804	Donald M. Dickler	2024 DAVISON	RICHLAND, WA
001805	William F. McBue	1712 Birch Ave	Richland, WA
001806	L.S. Davis	403 WILSON	" "
001807	Ernest Jones	36 Mercury Dr.	Richland WA
001808	W. Meeker	355 Westmoreland Dr.	Richland, WA
001809	John M. Thoy	2506 Blue Hill Ct.	Richland, WA
001810	Philip H. Arnold	150 Sherman	Richmond WA
001811	Deanna H. Weaver	1437 Cimarron	Richland
001812	W. H. Weaver	1437 Cimarron Pl.	Richland
001813	Michael L. Lister	399 Columbia Pt Drive	Richland.
001814	Leo H. Munson	397 Columbia Point Drive	Richland
001815	Glorie Ackerman	2108 W Hood	Kenn WA 99336
001816	Fred Ackerman	"	"
001817	Sheila G. Gubert	605 Blue	Richland WA 99352
001818	James E. Gubert	605 Blue St.	Richland, Wash



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	NAME	MAILING ADDRESS	CITY AND STATE
001819	William R. Morey	3605 SOUTH UNDERWOOD	KENNEWICK WA
001820	Jeannette Campbell	705 W 49th	Kennewick WA 99337
001821	Richard H. Nelson	246 Indian Ct Richland	WA 99352
001822	Red R. Thompson	2917 Canal	KENNEWICK WASH.
001823	NEIL MILLER	3615 W. CANAL DRIVE	KENNEWICK 99336
001824	John Ugg	2426 ALEXANDER AV	RICHLAND 99352
001825	Laura Waite	63 Log Ln	Richland, WA 99352
001826	Jim Thornton	2335 Snohomish	Richland WA 99352
001827	Jack Richardson	1938 Meadows Dr. N.	Richland, WA. 99352
001828	Lois Powers	5200 S. Olympia,	Kenn. WA. 99337
001829	K E. BAKER	4236 W. Klamath	KENN. 99336
001830	MILTON LEWIS	2600 HARRIS	RICHLAND, 99352
001831	WAYNE L. SUGGS	1602 Hunt Ave	RICHLAND 99352
001832	HERBERT H. RODE	P.O.B. 4173 W. Richland,	WA. 99353
001833	Bonnie L. Rode	P.O. Box 4173 West Richland,	WA. 99353
001834	Emily BRAUN	718 SYMONS	Richland WA 99352
001835	JOHN BRAUN	708 SYMONS	RICHLAND WA 99352
001836	Adonna Sterling	4830 Helix	W. Richland, WA 99353

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	NAME	MAILING ADDRESS	CITY AND STATE
001837	V. Oabone	3535 S. HUNTER RD Lp.	KENNEWICK WA <sup>FFTF</sup>
001838	Donna J. Whitson	2917 S. Everett Pl.	Kennewick, WA 99332
001839	W. G. White	527 N Reed	Ke 99336
001840	Pat Underwood	502 N. 8 <sup>th</sup> Ave	Pasco WA 99301
001841	Donna J. Whitson	502 N. 8 <sup>th</sup> Ave	Pasco, WA 99301
001842	L. H. Fursten	2216 Enterprise	Richland, WA 99352
001843	Max R. Kreiter	1214 CEDAR	Richland WA 99352
001844	W. W. Chambers	710 Stanton	Richland, WA 99352
001845	Frank C. Foster	1107 GILMORE #6	RICHLAND WA 99352
001846	W. G. Taylor	3410 Eastlake	W. Richland 99353
001847	K. Schneider	1507 Alder	Richland 99352
001848	James L. Stringer	423 PALMER CT.	RICHLAND, WA 99352
001849	Freud Burris	1101 View Dr.	Richland WA 99352
001850	Jack Burris	1101 View Dr.	Richland WA 99352
001851	Karen C. Stiles	2908 W. Hard	Kennewick WA 99336
001852	Kevin K Stiles	1505 Sanford	Richland WA 99352
001853	Sally A Stiles	1505 Sanford	Richland WA 99353
001854	Joseph M. Kammala	1937 Harris Ave.	Richland, WA 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
001855	Laurel N Phipps	1334 Sacramento	Richland, WA 99352
001856	Allen P. Boston	26 McMurry	Richland WA 99352
001857	Robert B Hall	77 Newcomer	Richland, WA 99352
001858	Bruce Pennington	1923 Freeway Dr,	Richland, WA 99352
001859	R J Browne	1424 Sanford	Richland, WA 99352
001860	J. Laurence	624 B. Carlisle	Richland Wash 99352
001861	J W Imminger	2372 Enterprise	Richland, WA 99352
001862	Marion H. Hartman	2236 Peloton	Richland WA 99352
001863	J. Z. [unclear]	112 [unclear]	Richland WA 99352
001864	W F Dunkel	5004 Irving	Passo, WA 99301
001865	W. R. Riegsecker	4503 S. Caballo Rd	Kennewick 99338
001866	Gerald E. Ogale	2426 Harris Ave	Richland 99352
001867	Walter J. Moore	4012 S. Olson Ct	Kennewick 99337
001868	John E. Nolan	411 Snyder Rd	Richland 99352
001869	George W. Wacker	2500 E. W. Way #101	Richland 99352
001870	Norman J. Olson	109 Broadmoor	Richland, WA 99352
001871	Tammy Crisp	1507 Jackson Av	Richland WA 99352
001872	Cathy R. Hicks	418 Nuclear Ln.	Richland Wash 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
001873	JOSEPH M. TURNER	51 N. EDISON N9	KENNEWICK, WASH 99336
001874	RAYMOND ANDREWS	913 W 26TH AVE	Kennnewick WA 99339
001875	B Keith Kcover	226304 E Cochran Rd	Kennnewick WA 99337
001876	Jerry L. Wilk	506 SAINT ST	Richland WA 99352
001877	Michael C. Anglessey	5911 W. 146th	Kennnewick, WA 99338
001878	Sheryl Niebel	219 S. 26	Pasco WA 99301
001879	NORM KAUFER	3802 S. GREEN ST.	KENNEWICK 99337
001880	Larry Eyr	677 Cherrywood	Richland wa 99352
001881	Robbin Duncan	16228 E 583 RD NE	BENTON CITY WA 99320
001882	MIKE STORM	1812 W ACORD	BENTON CITY WA 99320
001883	Ben Schwehr	45305 So. Finley Rd.	Kennnewick, WA 99337
001884	RON WEISSENFELS	1943 HARRIS	RICHLAND, WA 99352
001885	Geni Cummings	62 Canyon Dr,	Richland, WA 99352
001886	Janet Skelter	1301 Wright	Richland WA 99352
001887	LIESA KINSEY	5310 Blue Jay Ct.	W. Richland, WA 99353
001888	Tim Richardson	34704 SE. 1018 P.R.	Kennnewick, Wa 99338
001889	JOHNNIE ROBERTS	3717 SCHUT RD #17	MOXEE WA 98936
001890	Douglas Gant	5003 Chukar & West Road	99353

Return to A2-51

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	NAME	MAILING ADDRESS	CITY AND STATE
001891	Paul T. Sameres	2402 Pullen	Richland, Wa
001892	Steve Killoy	805 Rd 44	Pasco, Wa
001893	Mario M. Pereira	1171 Hills West Way	Richland WA
001894	GARY C. CLARK	26906 S. 875 PR SE	KENNEWICK
001895	Robert J. Townley	624 N. Sheppard St.	Kennewick, WA.
001896	Maria D. Steth	818 N. Reed Pl.	Kennewick WA.
001897	YR. Benson-McCurry	4208 SONORA DR.	PASCO, WA
001898	DM Haggerty	1018 SANFORD AVE	RICHLAND, WA
001899	Jessie R. Weather	1821 N. 10 <sup>th</sup> Ave	Pasco. Wa
001900	Sarah J. Spruniga	927 Teala	Pasco, WA
001901	STEVEN R. STARK	600 N. KANSAS,	KENNEWICK, WA.
001902	GAIL L. Rensink	6206 W. 20th	Kennewick WA
001903	Wade Wingfield	332 S. Young Pl	Kennewick, Wa.
001904	Steven Hathaway	2008 W. 36 <sup>th</sup> Ave.	Kennewick, WA
001905	Kevin D. Jamison	109 E Kennewick Ave	Kennewick WA
001906	James E. Smiley	7529 W. Willamette	Kennewick WA
001907	J.P. Millbauer	8032 W. Hood Ave	Kennewick WA
001908	Mike Danson	820 So. Green St.	Kennewick, WA

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	NAME	MAILING ADDRESS	CITY AND STATE
001909	Cheryl Springer	1840 Jones	Richland, WA
001910	Jennifer McMurphy	2011 Newcomer	Richland
001911	Don West	205 W 34 <sup>th</sup> Ave.	Kennecook WA 99337
001912	James E. Conry	269 Jenna Rd.	Kennecook, WA 99338
001913	Sharon R. Wiest	2338 Easton Ave.	Richland WA 99352
001914	Alexand Leckband	1536-13 <sup>th</sup>	Benton City WA 99320
001915	Melissa A. Hart	205 W. 34 <sup>th</sup> Ave.	Kennecook WA 99337
001916	Calvin E. Dindrey	4302 Melinda Dr.	West Richland WA 99353
001917	Ranice Call	715 Symons	Richland WA 99352
001918	W. J. Leonard	3027 W. 22 <sup>nd</sup> Ave	Kennecook, WA 99337
001919	Kennecook	8407 W Falls Pl.	Kennecook WA 99336
001920	Harvey Spee	1957 Marshall	Richland WA 99352
001921	John D. Sten	16705 S. 199 <sup>th</sup> St	KEN. WA 99337
001922	David D. Orr	2001 W. 45 <sup>th</sup> Ave	Kennecook WA 99337
001923	Dele W. McHally	1312 Symons	Richland, WA 99352
001924	William H. Meach	2715 Wickhambrook Ave	Richland, WA 99352
001925	John A. Quinn (per telecon)	26 Denesha Pl.	Fulton NY 13069
001926	Patricia H. Harkness	209 Barth's Ave	Richland WA 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
001927	W. Eric Cornben	1603 S. Palouse Pl., Kennewick, WA 99337	
001928	J.S. W. Arnold	504 N. Oklahoma St. Kennewick WA 99336	
001929	R. P. N. B. N. B. N.	1822 Hoxie, RICHLAND, WA, 99352	
001930	W. W. W. W. W.	7803 W. Deschutes Ave Kennewick WA 99336	
001931	Craig Allen	2455 G. Way RICHLAND, WA 99352	
001932	John Keller	907 N Keller Kennewick Wash 99336	
001933	Cornejo Wright	414 C. B. Lane Ave. Kennewick WA 99336	
001934	Mr. Ray	2550 DuPont Rd Apt G142 Richland	
001935	Jim Namin	8708 W. Falls Ave. Kennewick, WA	
001936	Joe Wallin	7803 W Deschutes Ave Kennewick WA	
001937	Curtis A. Colvin	1410 Sunset, Richland, WA	
001938	Paul I. Thaler	1129 W. 12th Pl Kennewick WA	
001939	Raymond J. Fick	1208 Garner Ave R. land WA	
001940	Donald Hawthorn	12 Bent Rd, Kennewick, WA	
001941	Rodney Bear	7803 W. Deschutes Ave Kennewick WA	











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	NAME	MAILING ADDRESS	CITY AND STATE
001982	Benjamin T. Klem	1827 THAYER D.	Richland, WA 99352
001983	Bill Kline	1512 SE OGDEN	Richland WA 99352
001984	Cathy Kline	1512 Ogden	Rich 99352
001985	Edward Ellis	77 Cottonwood Dr.	Richland 99352
001986	Krist Ruth Ellis	77 Cottonwood Dr.	Richland 99352
001987	Jerry Marshall	1906 Wright Ave.	Richland 99352
001988	Joan W. Hagan	2171 Crestview,	Richland, WA 99352
001989	Ladina Hagan	2171 Crestview,	Richland, WA 99352
001990	George H. Endrey	2112 Briarwood,	Richland WA 99352
001991	Melodie R. Wether	147 Spring St,	Richland WA 99352
001992	Dorothy H. Weyerts	1732 Horn Ave.	Richland WA 99352
001993	Bill Hultgren	1731 Horn	Richland, WA 99352
001994	Roger Hultgren	1731 Horn	Richland, WA 99352
001995	Noris Lewis	1737 Davison,	Richland WA 99352
001996	Mary Gustafson	1726 Davison	Richland WA 99352
001997	Donald R. Gustafson	1726 Davison ave.,	Richland, WA 99352
001998	Harry Dyckert	1820 Hawell	Richland, WA 99352
001999	Elizabeth J. Kissinger	1733 Horn Ave.	Richland, WA 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
002000	MICHAEL A. Hill <i>Michael Hill</i>	1320 PERKINS AVE	RICHLAND, WA
002001	<i>Dr. S. A. Soren</i>	609 Millwood Ct	RICHLAND WA
002002	Gaut E. Culley	606 Lynnwood Loop	Richland, WA
002003	Raymond Lloyd	2068 Hudson	Richland, WA
002004	Clayton P. Wreck	440 S. Buchanan St.	Kennewick WA
002005	<i>John S. Hill</i>	1207 McPherson	Richland, WA
002006	<i>Thomas W. Callahan</i> <i>Thomas Callahan</i>	1605 Erdman Lane	Pasco, WA
002007	<i>Thomas J. Callahan</i>	1605 Erdman Lane	Pasco, WA
002008	<i>Todd Allen</i>	1422 Hunt Ave.	Richland, WA
002009	<i>Sharon L. Green</i>	2305 Greenbrook Blvd	Richland WA
002010	<i>Sharon L. Green</i>	609 Millwood Ct.	Richland WA
002011	<i>Kenneth E. Johnson</i>	2117 Hoxie Ave.	Richland, WA
002012	<i>Anna M. Green</i>	2305 Greenbrook Blvd.	Richland, WA
002013	<i>Robert D. Marchen</i>	2432 Huxford Ave	Richland WA
002014	<i>Rick L. Mounce</i>	2306 W. 46th Ave.	Kennewick, Wa.
002015	<i>John R. Young</i>	9041 W. Sijemoor Road,	Pasco, WA.
002016	<i>Quinn D. Dault</i>	1710 Alber Ave,	Richland, WA.
002017	<i>James N. Paglieri</i>	1734 Horn Ave.	Richland, WA

## COMMUNITY SUPPORT FOR OPERATION OF FFTF

We as concerned citizens and taxpayers strongly support the future operation of the Fast Flux Test Facility (FFTF). This unique and irreplaceable national asset should be used to produce medical isotopes to ease human suffering, to supply Tritium for national defense, and eliminate surplus weapons grade plutonium.

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	NAME	MAILING ADDRESS	CITY AND STATE
002018	Daniel Johnston	1471 Amon Ct	Richland, Wa.
002019	Bruce Carhile	113 Enterprise	Richland, Wa.
002020	James WADG	1228 Herd	Richland, WA
002021	Peggy Wade	1728 HORN	Richland WA
002022	Phyllis Guinan	904 S. Arthur Pl.	Kennecook, WA 99352
002023	Karen Christensen	201 Crestwood Dr	Richland WA 99352
002024	William H. H. H.	2360 Mark Ave	Richland WA 99352
002025	Kathy Higgins	2107 Newcomer	Richland WA 99352
002026	ERNE BITEN	144 PATTON	Richland WA 99352
002027	RICHARD R. R. R.	16 N JEFFERSON	KENNEWICK WA 99336
002028	Ronald Smith	1224 S. Lincoln	Kennecook WA 99338
002029	James H. H. H.	7000 W. VAN GIESEN #165	Richland, WA 99353
002030	Paul H. H. H.	96 Waldron	Richland WA 99352
002031	L. Silva	4809 W. 8th.	Kennecook, WA 99336

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	NAME	MAILING ADDRESS	CITY AND STATE
002032	J.W. DAUGHTRY	44401 SHANNON LAKE	WEST RICHLAND, WA
002033	F.R. LaSALLE	2021 STEVENS DR	RICHLAND, WA
002034	Donald Mazur	2332 Ferndale	RICHLAND, WA
002035	LEON D. SWENSON	336 SNYDER	RICHLAND, WA
002036	E.A. Schnaiblo	4121 S. Germ	Kennelwick
002037	Bernard A. Patterson	316 S. Buchanan CT	Kennelwick WA
002038	Dale H. Denham	3325 S. Huntington St	Kennelwick, WA
002039	James C. Langford	1338 Sacramento	Richland, WA
002040	GEORGE A. JOHNSON	1947 PINE ST	RICHLAND WA
002041	W.C. MOFFITT	3602 JUDENBEN CT	PASCO, WA
002042	R.J. Bliss	4107 S. Olson St.	Kennelwick, WA
002043	ROGER KNIGHT	257 HIGH MEADOWS	RICHLAND, WA
002044	LEVIN G. KNOX	135 CHAPARRAL	RICHLAND, WA
002045	Janet J. KNOX	135 Chaparral	Richland WA
002046	Richard Raymond	1008 S. 45th W.	Richland WA
002047	Richard O. Zimmerman	220 Orchard Way	Richland WA





## COMMUNITY SUPPORT FOR OPERATION OF FFTF







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	NAME	MAILING ADDRESS	CITY AND STATE
002098	Daniel Campbell	2021 Stevens Drive E-9	Richland Washington
002099	ROBERT A. BELINNETT	1710 GAILLARD AVE	RICHLAND
002100	Kathryn Torminey	509 Seaint Street,	Richland
002101	PETER EDWARDS	327 Seattle Court.	Richland
002102	Daga Edwards	327 Seattle C.T.	Richland
002103	Gene Madsen	9011 W. Klamath Ct.	Kan.
002104	Paul M. Wolpert	2004 N. Rd. 76	Posco. W. 99301
002105	Margaret Munster	2426 Alexander	Richland 99352
002106	Mary B. Kalk	1934 Meadows Dr	Richland 99352
002107	Bill Kalk	1934 Meadows Dr N	Richland 99352
002108	Michael A. Thier	216 Somerset ST,	Richland 99352
002109	Paula Garland	2035 Hood AV,	Richland WA 99352
002110	Charles Lindermin	1307 Canyon,	Richland, WA 99352
002111	Laurel Phipps	1334 Sacramento,	Richland WA 99352
002112	Joe Buzarsky	2450 Catalina Ct,	Richland, WA

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	NAME	MAILING ADDRESS	CITY AND STATE
002167	GARY TROYER	614 COTTONWOOD	RICHLAND WA
002168	RICK HUCKFELDT	509 W. Wagonwheel	Benton City WA
002169	Pat McKenna	63114 N. River Road,	Benton City, WA
002170	BILL WILCOXSON	204207 E. Bowles	KENNEWICK WA
002171	Bill Burns	1120 Mission	Spokane WA 99201
002172	Joanna Wilcoxson	204207 E Bowles Rd	Kennecoth WA 99337
002173	RODNEY MATHENY	1518 MARSHALL	RICHLAND, WA
002174	FRANK KEMPF	1809 BIRCH,	RICHLAND WA 99352
002175	Patricia Kempf	1809 Birch,	Richland, Wa. 99357
002176	Michele Rounds	1469 Rimrock	Richland
002177	Margaret Slater	1415 Alder,	Richland
002178	ROBERT SLATER	"	"
002179	Gwen Tompkins	2438 Alexander Ave.	Richland WA
002180	Carol Teck	2701 W 15th St	Kennecoth
002181	John L. Glesener	7901 W. Clearwater	Kennecoth
002182	Joanna Barber	95 Cottonwood	Richland WA
002183	Richard W. Barker	95 Cottonwood	Richland, WA
002184	Jeff Sommers	9006 W. Metairie	Kennecoth, WA

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	NAME	MAILING ADDRESS	CITY AND STATE
002113	Bruce Bonman	24 Saint St.	Richland, WA 99352
002114	CJ Alderman	2033 Hoxie Ave	Richland WA 99352
002115	John Dutton	309 S Cleveland	Kennewick WA
002116	Robert Stenner	2550 Davenport Dr. N282,	Richland
002117	Vicki Stenner	✓ ✓ ✓ ✓	
002118	Jack A. Houston	1603 Basswood ave	Richland
002119	Terry S. Turley	2021 Stevens	Richland
002120	Suzanne Negata	269 Rockwood	Richland WA
002121	Wally Smith	2825 W Grand Blvd	Kennewick WA
002122	Bob & Lois	69803 E 710 P.R. W.E	Richland WA
002123	RETEHER WEMANN	P.O. Box 916	Blount WA
002124	She Sten	16705 S 1991 1 <sup>st</sup> SE	Kennewick WA
002125	Katie Graham	4190 Kennedy St.	Richland, WA
002126	Steve R. Fung	511 Cascade	Richland, WA
002127	BRYAN D COLES	1970 S. 35TH AVE WEST	RICHLAND
002128	BRYAN B. CAREY	4355 FRENCH,	RICHLAND, WA.
002129	DAVID BROWN	217 G.W. WAY	RICHLAND, WA.
002130	JASON BROWN	14906 Hedra Rd,	Nine Mile Falls, WA.



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	NAME	MAILING ADDRESS	CITY AND STATE
002131	GEORGE N. RUGE	2300 CARRIAGE AVE.,	RICHLAND, WA
002132	GORDON J. ROGERS	1108 N. ROAD 36	PASCO, WA 99301
002133	RICHARD WEATHERBEE	1408 S CLEVELAND	KENNEWICK WA
002134	DEL BALLARD	66 NEWCOMER	RICHLAND WA 99352
002135	GARY Downing	3324 W. 19 <sup>th</sup> #3	KENW WA 99338
002136	JIM MADSEN	9011 W. KLAMATH CT.	KENNE. 99336
002137	Marc Garland	2305 Hood Ave.	Richland 99352
002138	John W. Farley	4200 S. Lily Ln.	Ken.
002139	Gary Strathairn	335-24 <sup>th</sup>	Santa Monica CA 90402
002140	Stephen Gedcon	PO Box 4204	W Richland WA 99353
002141	Elizabeth Hammer	void 1813 S.E. Oregon	Richland 99352
002142	<del>John R. ...</del>	46303 E. Coker PRVE	W Richland 99353
002143	<del>John R. ...</del>	46303 E. Coker PRVE	W Richland 99353
002144	Sidney J. Altschuler	1331 GOETHALS DR. #8,	RICHLAND
002145	Donald Hammer	1813 SE OREGON	RICHLAND, WA 99352
002146	Darrell Fisher	229 Saint	Richland WA 99352
002147	Jeanne Fisher	229 Saint	Richland WA 99352
002148	Quane K. Holsten	1751 Bismark St,	Richland WA 99352

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	NAME	MAILING ADDRESS	CITY AND STATE
002149	Don R. Segna	1863 ALDER	RICHLAND, WA 99352
002150	Lloyd H. Gardner	1311 TUNIS AVE	RICHLAND, WA 99352
002151	M. A. Chapman	3820 Wernett Pkwy	WA 99301
002152	Ronald Woodcock	1851 ALDER	RICHLAND, WA 99352
002153	Les J. Ireland	7022 W. Court St	Pasco 99301
002154	John J. Brubaker	1316 Potter ave	Richland 99352
002155	Carolyn J. Chapman	3820 W. Wernett Pkwy	
002156	Richard J. Johnson	703 Columbia Dr #20	Richland WA 99352
002157	Richard J. Johnson	1528 Rd 28	Pasco WA
002158	Raymond E. Isaacson	2106 LEE Blvd	RICHLAND WA 99352
002159	Charles D. Loomis	2112 LEE FELT	RICHLAND
002160	Ken Dobbin	1843 Blue Heron West	Richland 99353
002161	Robert H. Fisher	105 Callam Ave	Richland, 99352
002162	Bill GREEN	424 Shoreline Ct.	Richland
002163	Donald R. Johnson	6 East 36th Place	Kennewick WA 99337
002164	RK GREENWELL	515 W. 20th AVE	Kennewick, Wa 99337
002165	Jane Greenwell	1515 W 20th	Kennewick WA 99337
002166	Thomas M. Burke	7807 W 12th Ave	Kennewick WA

# NOTES

DIARY / IDEAS

Syllabus of Mr Comment  
SUBJECT and Question

002185

Mike Walter Janitor 300 Stanford  
Operating Engineers local 280  
Richland Washington 99352

My comment is

Have you projected the full  
Economic impact to Washington state  
from a loss of the FFTF's medical  
Isotope Program, also to include  
all of the spinoff technology.

I really appreciate the help  
of Derek Jones who was a  
operator for four years at the  
FFTF and now is a  
Electrical Engineer.

question

The Chairman of the Institute of  
Medicine. The Report from the  
Institute of Medicine, in 1994  
he ~~not~~ recommended against the  
Restart of the FFTF. Based on cost  
what has happened since then, I  
change his mind.

How was this done why was  
this done and when was this  
done.

on the back is more info

Friend, *Ernest J. Hughes*

Please do not restart the Hanford nuclear reactor. Reversing the cleanup mission for Hanford would continue the diversion of money intended for cleanup at a time when radioactive waste have been detected in groundwater, threatening the Columbia River and its ecosystem. Even if the reactor only remains on "hot standby," it costs \$32million a year to maintain it - money that is supposed to be used for cleanup.

Putting Hanford back into nuclear bomb production business would create a new radioactive waste stream at Hanford, compounding the threat to the ecosystem. 60 tons of High Level Nuclear Waste is not the legacy I want to leave for my children.

My family does not want to seen more dangerous plutonium (33 metric tons) moved to the fuel reactor.

Please do allow the poisoning of our ecosystems and communities that live downwind and downstream of this reactor. Help protect our children from the cancer of greed an the thyroid cancer that is sure to follow tritium production.

Sincerely Donald Fontenot RN

2230 SE Oak ST

Portland OR 97214-1636

503-232-0272

*Donald & Kim Fontenot*

**002186**

**002187**

*Please also reinstate TPA FFTF milestones*

*Thank You*

*Donald & Kim Fontenot*

Thursday, February 12, 1998

To Whom It May Concern:

My concerns regarding an upstart of any of the nuclear facilities at Hanford are based on the following:

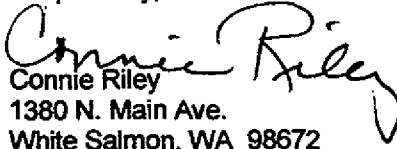
My grandfather worked at Hanford and lived in the Tri-city area for many years. My grandmother died of pancreatic cancer. Several years ago a notice was circulated regarding people with cancer who lived in that region during the same time period my grandparents lived there. I am vague on the contents of this notice, it may have been a questionnaire and I do not know who circulated it. I did not respond to it because I felt it would not bring my grandmother back. I am sorry I did not pay better attention because at the time I felt her cancer was environment related. During our childhood we spent a considerable amount of time in the Columbia. My own family lived in that area for four years and an additional two at a nearby farming community.

I am a hairstylist and am not representing any one group. I have the chance to talk with many people on many matters. It is the generally agreed that Hanford should remain closed and clean-up continued. I spoke with a construction worker several years ago that was hired to do some excavating on the Hanford reservation. He was promised there would not be any nuclear waste involved. His crew unearthed some decayed and empty containers that were found to be radioactive. The authorities had no record of anything being buried there. Maybe today we are much more responsible about keeping records than then but what is it worth to create such lethal poison? It can not be measured in dollars. It certainly was not worth my grandmother's life. No we don't know that there was a connection, but we do know that it is very possible. So you may say we must lose a few people in our effort toward progress? What about all of those people that have been unknowingly contaminated due to "lost" containers of radioactive material? My family owns a ski boat. My kids love to wake-board and ski. I do not want them in the lower Columbia. We annually make the trek to the cleaner upper Columbia for extended vacations where we live in the water. I was told by a local Doctor that the incidence of prostate cancer among men was notably higher from the Tri-cities down. That was fifteen years ago. I doubt if the department that wants to regenerate the facilities is also responsible for doing any studies of the damage done or being done.

I am not against the use of nuclear energy. I am against the waste it creates and the lack of an adequate way to dispose of it. Will we cross that bridge when we come to it, or create more temporary storage facilities? There has not been a safe method invented to deal with the waste long-term. Our children are going to care as much about their children and so on, forever. It is not our right to leave such a mess.

Thank you,

Respectfully,

  
Connie Riley  
1380 N. Main Ave.  
White Salmon, WA 98672

To the DOE Officials + other officials concerned with  
the facilities at Hanford:

Please do everything you can to prevent the  
restarting of the FFTF reactor at Hanford. Please  
do not allow any reactor at Hanford to be exempted  
from the Tri-Party Agreement. Please maintain  
the commitment to clean up Hanford!

As a 20-year resident of the Northwest, I  
have long valued the beauty, vibrancy, and  
biological richness of the Northwest environment.  
As a student of biology and reader of such  
straightforward scientific publications as  
Scientific American, I have been thankful that  
we Northwesters face ~~nothing~~ like the environmental  
devastation seen at Chernobyl (as documented  
in Scientific American some years ago). As a  
hard-working citizen who pays taxes and who is  
thankful that much of the (expensive) Cold War  
madness is over, I want the facilities at Hanford  
to be cleaned up. I do not want my tax dollars  
to be used for producing any kind of nuclear weapons,  
nor do I want them to be used to create something  
that is a grave risk to all living things in the  
Hanford area.

Thank you for your time and attention.  
Please, let's continue cleaning up Hanford,  
for the sake of future generations!

Sincerely,  
Jennifer B. Keller  
Jennifer B. Keller

Seattle comments  
for Transcript

002190

Author: Eric Rehm <eric@equator.com> at -SMTPLink

Date: 1/21/98 8:27 AM

Priority: Normal

Subject: Oppose any FFTF changes to TPA

----- Message Contents -----

To whom it may concern,

I attended the Public Hearings on the proposed changes to Hanford Tri-Party Agreement milestones for possible FFTF reactivation.

I want you to know that I've visited your web site and found nothing there that changes my opposition to:

- a) changes in the TPA milestones for FFTF
- b) the overall mission of FFTF
- c) the support of materials necessary for nuclear weapons production.

Your website continues to propagate the smokescreen of potential medical benefits of FFTF activity, which is a disservice to the citizens of this country. I find it incredible that you can "sell" FFTF as some sort of "super fruit punch" (with statements such as ". FFTF isotopes have a high 'specific activity,' which packs a more powerful punch in treating the disease").

As an Electrical Engineer (BSEE, MSEE), computer scientist (MSCS), and a citizen, I find your manipulation of public opinion with so-called scientific- and technological facts extremely disconcerting.

You should know that I will continue my active opposition to any attempt to change the plan to deactivate and dismantle FFTF, and my active support of establishing new, aggressive milestones such that FFTF deactivation is accountable to the public.

Sincerely,

Eric Rehm  
Member Technical Staff  
Equator Technologies Inc.  
520 Pike Street, Suite 900  
Seattle, WA 98101

The opinions expressed herein are solely mine, and not necessarily those of my employer.



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**TRI-CITY INDUSTRIAL DEVELOPMENT COUNCIL**

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901 N. Colorado, Kennewick, WA 99336-7685 USA

1-800-TRI-CITY 509-735-1000 509-735-6609 fax

tridec@owt.com www.owt.com/tridec/

**FAST FLUX TEST FACILITY**  
**TRI-PARTY AGREEMENT TRANSITION MILESTONES**

January 22, 1998

The following statement is submitted regarding the proposed deletion of Transition Milestones from the Tri-Party Agreement (TPA) which relate to the Fast Flux Test Facility (FFTF).

The Tri-City Industrial Development Council (TRIDEC) is an organization of over 500 regional members representing individuals, organizations, business, labor, and agencies having an interest in the economic vitality of the Tri-Cities and the surrounding area. TRIDEC has been designated as the one voice spokesman for the business community on Hanford issues by the Department of Energy.

We are fully committed to the safe, economical, effective, and expeditious cleanup of the Hanford site, so that utilization of the site for other purposes can be achieved. The cleanup efforts must be accomplished in a safe and cost effective manner without further environmental damage or exposure to the public. We are also fully aware of the pressures on the Department to accomplish the cleanup of Hanford and other DOE sites expeditiously and in the most cost effective manner. Current and anticipated federal budget constraints requires that the Department explore all reasonable alternatives to accomplish the cleanup program in the most cost effective manner within all the DOE sites.

The stated purpose of this hearing is to obtain public input regarding deletion of the FFTF related milestones from the TPA. As a result of the Secretary of Energy's decision to suspend deactivation and decommissioning of the FFTF pending a decision regarding the national policy to provide for a new supply of tritium, the current TPA milestones are inappropriate and will not be met. The Secretary's policy decision regarding the deferral of the FFTF deactivation is a national policy issue and is beyond the scope of this hearing. Testimony at this hearing should be focused on deletion of the milestones.

The Tri-City Industrial Development Council supports the deletion of the transition milestones from the Tri-Party Agreement as proposed in the public notice of this hearing.

We also wish to respond to comments made by opponents at the previous hearings on this subject.



## TRITIUM SUPPLY

It is a matter of national policy that our nation will maintain a nuclear weapons capability. This includes the supply of tritium as a component of these weapons. The issues related to providing an adequate supply of tritium is currently being studied within the Departments of Energy and Defense and the Congress. One alternative is to utilize the FFTF for an interim supply of tritium until longer term sources of supply can be developed.

The Department of Energy's budget is zero sum limited. In other words, if a low cost, feasible alternative such as the FFTF is not utilized, funding for the Environmental Cleanup Program (Hanford's budget) could be severely compromised by funding requirements for other options such as an accelerator are developed on a near term accelerated schedule. The accelerator will have a much higher cost than the FFTF.

The national policy regarding a need for an additional supply of tritium or the need for a nuclear weapons capability is not the subject of this hearing.

## PUBLIC INPUT

Some of the testimony here tonight and at other locations has raised the need for public input and discussion regarding safety, environmental and economic issues related to the use of the FFTF for tritium production. We agree that there is a need for public input on these issues if a decision is made by the Department of Energy to include the FFTF in the Environmental Impact Statement regarding the selection of a source of supply for the tritium requirement. Currently a decision has not been made whether the FFTF will be included as an alternative in the EIS. If it is included, then there will be adequate opportunity for public review and comment on the issues which have been raised. This hearing on the action to delete the inappropriate milestones from the TPA is not a forum for public comment on these larger national policy issues.

## REACTOR SAFETY

There have been a number of statements made raising questions regarding the safety of the FFTF with tritium production cores. Most of these statements are either incorrect or have been taken out of context from available DOE documentation. The fuel that would be used for tritium production is a mixed oxide type of fuel which contains a mixture of plutonium and uranium. The use of plutonium in the reactor fuel within proven technology limits would have the added beneficial effect of reducing the amount of excess weapons plutonium which is to be disposed of as part of the weapons material disposal program.

In the initial studies of the FFTF option, a wide range of alternatives and limiting cases were studied including the Jason study in support of the independent evaluation of the FFTF which was conducted by the National Academy of Science. The conclusion of the NAS panel was that the FFTF could be safely operated in a tritium production mode at initial tritium production rates. If the reactor were to be operated at the maximum tritium production level, there are a number of

technology and safety issues which would need to be resolved before these higher production levels are achieved.

The appropriate place to discuss these issues is in the EIS hearings where all pertinent information regarding the issue is available, instead of utilizing misleading statements or the extraction of limited or inapplicable information from a number of studies which do not necessarily consider all applicable information.

### MEDICAL ISOTOPES

The FFTF has the potential capability to produce a large number of potential medical isotopes, many of which are not available from other sources. Operation of the FFTF on an interim tritium production mission would provide the opportunity to develop, produce and test these isotopes for potential beneficial applications. The medical isotope market will not at this time support operation of the FFTF solely for this purpose. However, it is expected that the growth of the medical isotope market will over the next ten years will develop to the point that some of the cost of operating the FFTF could be supported by this application.

A number of prominent nationally recognized medical researchers and practicing physicians have stated on a number of occasions the need for the FFTF to supply these isotopes since they are not available elsewhere. A recent letter to Secretary Pena signed by a number of prominent medical researchers, Nobel laureates and the author of a National Institute of Medicine report on the supply of medical isotopes strongly supported the restart of the FFTF for the production of medical isotopes.

### FFTF CAPABILITY

The FFTF is the most modern reactor within the Department of Energy complex. It was developed originally as a test bed for the development of liquid metal reactor technology, fuels and materials, and safety technology in support of the national liquid metal breeder reactor program. The reactor was designed to meet all applicable safety requirements, and its design was favorably reviewed by the Nuclear Regulatory Commission. During its operation from 1982 to 1992, it operated safely, efficiently, effectively, and without any significant problems or events. It received international recognition as a safe, effective, with a high availability. The reactor still has this capability to effectively accomplish both a tritium production and a medical isotope production mission.

### FUNDING ISSUES

It has been claimed that retention of the FFTF in a standby mode will require the diversion of funds from the Hanford cleanup mission. Following the Secretarial decision to maintain the reactor in a standby status pending the results of the EIS evaluation, responsibility for funding the standby mission costs were transferred from the Environmental Management (Hanford Cleanup) Budget to the Nuclear Technology Budget in FY-98. A review of the RL EM budget

proposal for FY-99 indicates an increase in the funding available for the cleanup program due to the shift of FFTF standby costs out of the EM budget.

### CLEANUP PROGRAM IMPACTS

Continuing to maintain the FFTF in a standby status will not result in any immediate change in the reactor or the Hanford resources devoted to it. This will not impact the cleanup program. If the reactor were to be utilized for a tritium production program, the cleanup program would actually benefit by the assumption of a portion of the Hanford site overhead and infrastructure costs by the new program.

The opponents of the FFTF have made a number of allegations regarding the environmental impact of operation of the FFTF. Most of these are incorrect and result from a lack of knowledge of the reactor. Some of these are summarized below.

- The FFTF is a closed loop liquid metal (sodium) cooled reactor. Waste heat from the reactor is discharged to the air. There are no water cooling systems in the reactor.
- There will be no reprocessing of the reactor fuel, and operation of the reactor will not result in any increase in the amount of waste materials to be disposed of. The spent fuel from the FFTF, following cooling, will be dry stored in concrete and steel casks prior to offsite shipment for final disposal. The processing of the tritium targets from the reactor following irradiation will be performed at the Savannah River site. Obtaining the release of tritium from the targets is a very complex and difficult process. The expected leakage of tritium from the targets is an extremely low amount. There is not expected to be any significant tritium release from the targets at Hanford prior to shipment off-site.

### TRITIUM PROGRAM FUNDING

It is in the best interests of the Hanford cleanup program to support the use of the FFTF for a tritium and medical isotope mission. There will be a tritium production mission initiated at some location as a matter of national policy. The Department of Energy operates on a zero sum budget. This means that any new mission such as tritium production must be funded out of current budget levels. Alternatives to the use of the FFTF for this purpose are the use of civilian commercial power reactors, which although the cheapest option is prohibited by law and national policy or the construction of a new production accelerator, probably at Savannah River. A new accelerator requires unproven technology and has an ultimate program cost on the order of \$10B. Initial funding requirements, on a non-accelerated schedule, will be approximately \$1B per year. The only source of funding for a program of this magnitude is from the Environmental Budget which is currently inadequate to meet program commitments. Since Hanford receives approximately twenty five percent of the EM budget, the initiation of an accelerator program could have a potentially devastating impact on the Hanford cleanup program.

In order to provide a factual response to a number of the issues which have been raised in this and other hearings, we request that the Department of Energy provide responses to the questions regarding the FFTF which are contained in the attached supplement to this statement. We request that their responses to these questions be included in the record of this hearing.

Again, we wish to reiterate our support for deletion of the FFTF transition milestones from the TPA.

Thank you for the opportunity to present the views of our organization on this subject.

## FTF Hearing Questions

Has there been any real interest in FFTF as a source of medical isotopes?

The Institute of Medicine report in 1994 recommended against restart of FFTF based on cost. What has happened since that time to convince the chairman of that committee to change his mind and support restart in 1997?

What is the plan for disposing of any waste generated by FFTF?

Is it safe to transport plutonium to Hanford for fuel for FFTF?

Can Pu be safely manufactured into mixed oxide fuel?

Does standby operation of FFTF divert efforts from the Hanford cleanup?

If the tritium mission goes to Savannah River, where does the \$8 to 16 billion come from in the DOE budget to build and test this unproven accelerator concept? Will the environmental clean up budget be impacted?

Who will pay for the power plant to provide the electricity for the new accelerator? Is the cost of a new power plant included in the program evaluation?

Which is the least expensive and most cost effective proposal for producing tritium

- 1) An accelerator
- 2) Light water reactors
- 2) FFTF

Have previous operations of FFTF shown that it can safely produce 1.5 kg per year of tritium? Can the FFTF safely operate in a production mode?

What are the emissions from FFTF, how do they compare to an average nuclear power plant?

Why does defense program need new tritium? Are they going to produce new nuclear weapons? Are there other alternative sources of supply for tritium that meet national security requirements?

Is Hanford cleanup money being diverted from cleanup to maintain the FFTF in a stand-by mode?

**Congress of the United States**  
**House of Representatives**  
**Washington, DC 20515**

20 January 1998

I regret that previous commitments prevent my joining you in person this evening. Nonetheless, I want to express to you my strong opposition to the proposal to restart the Fast Flux Testing Facility at Hanford. We have struggled for years to achieve effective and thorough clean-up of the Hanford site. Billions of taxpayer dollars have been invested in that effort and still we have not reached our goal. Indeed, new problems emerge almost daily, and restarting the Fast Flux Facility will exaggerate them.

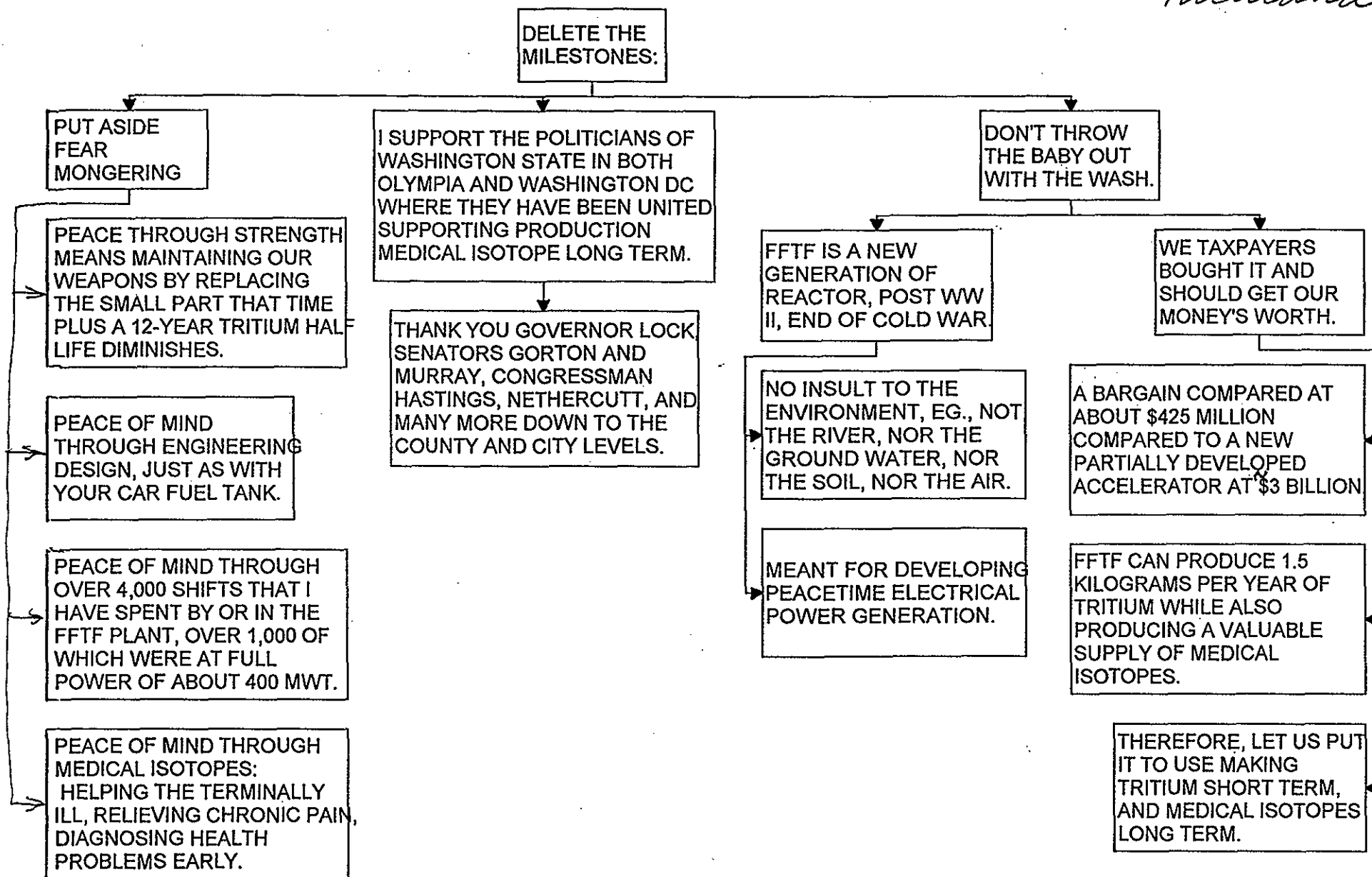
Monies allocated for Hanford clean-up must be used for exactly that. Any other use violates the Tri-Party Agreement and contradicts our commitment to protect our citizens and their environment from the ravages of nuclear weapons production. Cleaning up the dangerous mess that we have created at Hanford is our first priority and our first obligation.

It is estimated that reactivation would cost more than three billion dollars -- money that would be drawn away from ongoing clean-up efforts because there are no funds lying around in government coffers to pay for FFTF. Funding for many worthwhile programs from education to housing to medical research is being cut or eliminated because we supposedly can't afford them. A huge outlay to restart the Fast Flux Facility is simply indefensible.

Many alternative uses have been proposed for the Hanford facility that are consistent with the original mission for the clean-up and economic development of the site. The US should lead the effort to end the proliferation of nuclear weapons, by investing in human potential instead of human destruction.

# TRI-PARTY AGREEMENT CHANGES OF FFTF MILESTONES

*by Harold L. Anderson,  
Richland, WA*



**Statement of the Oregon Office of Energy  
on changes proposed to the Tri-Party Agreement  
concerning the Fast Flux Test Facility**

January 13, 1998 -- Hood River

January 14, 1998 -- Portland

We wish to thank the U.S. Department of Energy, the State of Washington and the U.S. Environmental Protection Agency for agreeing to hold two meetings in Oregon on this important issue. The potential restart of the Fast Flux Test Facility for nuclear weapons production is an issue of great concern to Oregonians. Governor Kitzhaber opposes the restart of this facility for weapons production; members of Congress from Oregon also oppose restart of the Fast Flux Test Facility for nuclear weapons production.

Before addressing the specific issues which are the scope of this evening's hearing, let me give some perspective on our position on the Fast Flux Test Facility itself. That perspective is essential to adequately take into account the concerns of Oregonians in dealing with the issues which are the subject of this hearing.

The primary mission at Hanford is and must continue to be management and cleanup of the existing radioactive wastes at Hanford. The millions of gallons of high level liquid waste, the additional millions of cubic yards of hazardous waste, transuranic waste and other radioactive waste at over eleven hundred sites at Hanford present an enormous and complex challenge. We cannot allow a bad situation to become worse. Creation of additional waste at Hanford by the production of more nuclear weapons material must simply not be allowed to occur under any circumstances. We must maintain and increase the effort to deal with the existing nuclear weapons wastes, not create more wastes.

We are also concerned about the safety considerations associated with running the Fast Flux Test Facility for production of nuclear weapons material. The plant was designed as an experimental reactor, not as a reactor operating to produce nuclear weapons material on a continuous basis. There are numerous safety issues presented by use of the Fast Flux Test Facility for tritium production. For example, the operating temperatures and pressures from full-scale tritium production may impact highly stressed areas of the primary reactor vessel. There may also be adverse impacts caused by metallurgical changes to the primary vessel, pipe and vessel weldments and to other internal reactor components from tritium production.

In addition, while this facility was reviewed as an experimental reactor over twenty years ago by the U.S. Nuclear Regulatory Commission (NRC), it was not licensed by the NRC and was not reviewed for full-scale tritium production as currently proposed. Given the age of this reactor and the changes needed to enable it to produce tritium, we believe the Fast Flux Test Facility should not be restarted under any circumstances without being licensed by the NRC and complying with NRC's construction, safety, and operating standards. We frankly believe that it would be very difficult and expensive, if not impossible, for the Fast Flux Test Facility to meet those standards.

Finally, there is the issue of diverting federal funds needed for cleanup at Hanford to weapons production. Merely to keep the Fast Flux Test Facility in a standby mode is over \$30 million a year. To give some



perspective, that is more than the U.S. Department of Energy provides to all states in total each year for states' energy conservation efforts. While different budget categories within USDOE may currently separate funding of the Fast Flux Test Facility from the Hanford cleanup budget, the U.S. Department of Energy ultimately has one total annual budget number. Funding for weapons production anywhere will inevitably reduce the funding available for management and cleanup of the existing nuclear weapons waste. We need less funding for nuclear weapons production, not more, especially at Hanford.

Let me next address a related issue that has been raised in the consideration of restart of this facility for tritium production. Some have suggested that the Fast Flux Test Facility could be used to create medical isotopes. A proposal to use the Fast Flux Test Facility solely for medical isotopes would deserve evaluation as to cost and safety considerations and as to possible impact on the Hanford cleanup effort. However, medical isotopes have not been proposed as the sole mission if the Fast Flux Test Facility is restarted. The U.S. Department of Energy has made it clear that it will only restart the facility if it is used for production of tritium for nuclear weapons. While the facility is considered for weapons production, we must continue to oppose its restart for the reasons given previously.

I would like to turn now to the proposed changes to the Tri-Party Agreement which are the subject of this hearing. The Fast Flux Test Facility is currently subject to milestones in the Tri-Party Agreement which assume the facility will be decommissioned. Because the Secretary of Energy made a decision in January 1997 to suspend decommissioning activities and to keep the facility in a standby mode, the three parties to the Hanford Tri-Party Agreement have proposed to delete certain milestones related to decommissioning. The parties have also proposed that within 90 days of a decision by the Secretary of Energy not to use the Fast Flux Test Facility for tritium production the U.S. Department of Energy's Richland Operations Office will issue a draft change control request detailing a proposed set of transition milestones for the facility with target dates. The parties also propose to complete negotiations on new transition milestones for the Fast Flux Test Facility within six months of receipt of the change package.

We oppose maintaining the Fast Flux Test Facility in a standby mode so that it can be considered as an option for yet more nuclear weapons production. The cost in excess of \$30 million a year to keep this facility as a nuclear weapons production "option" is unreasonable, when USDOE has inadequate funding for needed cleanup work at Hanford and at other sites. The longer this facility is kept in a standby mode, the more money is wasted that could go to cleaning up our existing radioactive wastes.

Given the fact that a decision has been made to keep this facility in a standby mode, the process proposed by the parties to the Tri-Party Agreement is not unreasonable except for the amount of time involved. Given the enormous cost to maintain this facility, the amount of time to reinstate milestones should be minimized. Upon a determination by the Secretary that this facility will not be considered for weapons production, the Tri-Party Agreement milestones should be reinstated immediately; negotiations for dates to accompany those milestones should be completed within sixty days of the Secretary's decision.

Our proposed revisions to the suggested schedule could save as much as six months and \$15 million in money that would otherwise be wasted in maintaining this facility in a standby mode. This is \$15 million that is badly needed to deal with the existing wastes at Hanford. We call on the federal government to make a decision quickly to rule out new weapons production at Hanford once and for all.

Steve Kaplan 002195  
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I am Stephen Kaplan, a free-lance researcher and writer specializing in environmental issues. Currently, I am working with Dr. Brian O'Leary, astrophysicist and former Apollo Astronaut, to prepare a comprehensive survey of the latest developments in research on new energy sources. In the course of this research, we have investigated thoroughly the latest developments in research on low energy nuclear reactions (sometimes referred to as cold fusion research). Despite some inaccurate press accounts to the contrary, this field is very much alive. More than 200 laboratories in the United States and elsewhere in the world have come up with findings confirming the validity of the original Pons-Fleischmann research. Moreover, several companies have created prototype units that can be purchased by scientists and others, and in the very near future, commercial-scale units will be released to the public.

One of the serendipitous results of research on low-energy nuclear reactions is the startling discovery that during the operation of these new energy processes transmutation of elements occurs. Successful experiments have shown that it is even possible to reverse the radioactivity of nuclear waste through these processes. This research is in the early stages of development, and a full-fledged technology could be created with adequate public and private investment. This presents us with the prospect that scientists can provide us with a safer and far less costly way to handle nuclear waste than the encapsulation and storage strategy currently advocated by the Department of Energy.

Out of this same stream of research has come experiments that indicate we can produce tritium through low energy nuclear reaction processes. The major study on tritium production comes from the government's own Los Alamos laboratory. Other studies have confirmed the positive results of this study.

Does it not make sense to investigate in greater depth the government's own research on alternative methods of tritium production before resuming tritium production through conventional means?

What if there is a less costly and safer way to produce tritium? Responsible public officials will invest in research to come up with a solid answer to this question. Members of the public concerned with nuclear safety will be watching to see if the

Letter Concerning Alternative Approach to Tritium Production from *Science Magazine*

Agnew discusses scientific and political alternatives relating to an adequate supply of tritium in the future. While in general, I support his analysis, I would like to point out an omission. There is exploratory research now being pursued at the Los Alamos National Laboratories aimed at a new source for future tritium. Briefly, verify small palladium wires (with diameters of 150 to 200 micrometers) are subjected to 2000 volts and 2.5 amperes in an atmosphere of deuterium at about 200 Torr (commonly referred to as glow or plasma discharge). Quantities of tritium are produced over hundreds of hours in amounts equivalent to 10's of nanocuries. While these quantities are far from the pounds of tritium ultimately required, the results are provocative. The substitution of platinum for palladium provides no tritium and when  $^1\text{H}$  is substituted for  $^2\text{H}$ , tritium is produced at a much reduced quantity, although above that of the noise level. Great care has been taken to eliminate tritium from atmospheric pollution and metal containment. These experiments are reproducible.

Gustave K. Kohn  
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Los Altos, CA 94022, USA

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5/7/96.

Department of Energy takes this prudent approach. We will be also calling upon our elected officials to make sure the DOE behaves responsibly.

I am submitting four documents dealing with the research breakthroughs on low-energy nuclear reactions. Two of them are memos prepared for the League of Women Voters Nuclear Waste Project by two of the leading authorities in the new energy field, Dr. Eugene Mallove, editor of **Infinite Energy** magazine and Dr. Hal Fox, editor of **New Energy News** and the **Journal of New Energy**. The third is an article from **Infinite Energy** by Tom Claytor and other researchers at Los Alamos National Laboratory concerning production of tritium from low voltage deuterium discharge on palladium and other metals. The fourth is a letter sent to **Science** magazine by Gustave K. Kohn, former Chevron scientist, regarding the work of Claytor et al at Los Alamos.

Rec'd 1/22/88  
VIA E-MAIL

## ----- Message Contents -----

Dear Mr. Hughes:

I attended the hearings at Seattle Center. I didn't speak there, so you can't blame me for the distress that showed on your face. I know, you're just following orders. But, you must see how monstrous this whole thing is. I'm an engineer--retired now. And I didn't work on nuclear projects. But I know how the program can become the cause. We either have it or we'll lose our jobs.

But this is the United States. We have no need for more bomb material. Even vast segments of the public can see that.

I don't know what you can do at your level, perhaps nothing. But stop this thing at Hanford if you can. The clean-up has to move ahead.

Paul Meyer

002197

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kap808@compa.com

Jan. 16, 1998

Dear Mr. Hughes:

Here is a second copy of my testimony  
before you and others concerning the  
use of the FERT reactor for the production  
of Tritium.

As you will explore the alternative method  
of producing Tritium being explored  
at Los Alamos, you might have yourself  
a lot of grief. For the amount of tritium  
the Oregon and Washington will not  
allow you to start producing Tritium  
at your facility. It will not be  
tolerated. No more - enough is enough.

I'm also enclosing the recent issue  
of Finite Energy, which discussed  
nuclear remediation through cold  
fusion reactors. Have you

considered a new energy source  
for yourself? You don't have to  
be making weapons of mass destruction.  
Some of your colleagues at Battelle  
are considering going into this new  
field because they've seen enough  
evidence that is real. Talk with  
them.

As you come to learn more, please contact

P.S. If you  
send me your  
E-Mail address,  
I'll be able to  
send you the Miller  
memo.  
P.S. Sorry about  
the handwriting  
note. I can't  
have access to

*FFTF Hearing - Testimony by Steve Kaplan*  
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I am Stephen Kaplan, a free-lance researcher and writer specializing in environmental issues. Currently, I am working with Dr. Brian O'Leary, astrophysicist and former Apollo Astronaut, to prepare a comprehensive survey of the latest developments in research on new energy sources. In the course of this research, we have investigated thoroughly the latest developments in research on low energy nuclear reactions (sometimes referred to as cold fusion research). Despite some inaccurate press accounts to the contrary, this field is very much alive. More than 200 laboratories in the United States and elsewhere in the world have come up with findings confirming the validity of the original Pons-Fleischmann research. Moreover, several companies have created prototype units that can be purchased by scientists and others, and in the very near future, commercial-scale units will be released to the public.

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Department of Energy takes this prudent approach. We will be also calling upon our elected officials to make sure the DOE behaves responsibly.

I am submitting four documents dealing with the research breakthroughs on low-energy nuclear reactions. Two of them are memos prepared for the League of Women Voters Nuclear Waste Project by two of the leading authorities in the new energy field, Dr. Eugene Mallove, editor of *Infinite Energy* magazine and Dr. Hal Fox, editor of *New Energy News* and the *Journal of New Energy*. The third is an article from *Infinite Energy* by Tom Claytor and other researchers at Los Alamos National Laboratory concerning production of tritium from low voltage deuterium discharge on palladium and other metals. The fourth is a letter sent to *Science* magazine by Gustave K. Kohn, former Chevron scientist, regarding the work of Claytor et al at Los Alamos.



# NEW ENERGY SOURCES FOR THE NEAR FUTURE

## An Open Letter to Decision Makers

By Hal Fox, Editor of the Journal of New Energy

### LOW-ENERGY NUCLEAR REACTIONS

During the past three years, at least thirty laboratories from various parts of the world have discovered various methods by which low-energy nuclear reactions are produced. Previously, scientists have worked on and could explain high-energy nuclear reactions, such as in the core of nuclear fission power plants, from the use of high-energy particle beams, and from hot fusion systems such as a Tokamak. All of these nuclear processes are defined as being high-energy nuclear reactions.

Low-energy nuclear reactions are produced and controlled by low-energy means. For example, certain types of systems used to load hydrogen isotopes into selected metals have been shown to produce nuclear reactions. Voltages under 100 volts are used. Other systems produce high-density charge clusters (clusters of predominantly electrons) and produce nuclear reactions on target metals. Voltages ranging from 100 to 2,000 volts are used to create the charge clusters. These voltages are considered low-energy when compared to the million volts or higher used in particle accelerators or compared with the high temperatures used in various forms of plasma physics (such as in the Tokamak). Most scientists do not, as yet, accept the fact that nuclear reactions can be initiated and controlled using low energies.

### COMMERCIAL COMPANIES WITH NEW-ENERGY PRODUCTS

The experimental work initiated by Professors Pons and Fleischmann, first in the U.S. and for several years in France (with Japanese funding), has engendered the following subsequent discoveries and developments:

- **BlackLight Power** in Pennsylvania is developing an improved technology by which hydrogen gas, a catalyst, and nickel metal are used to produce high-temperature thermal power. The shares in this company have gone from \$0.75 to \$1,200 per share. At least two electrical power utility companies have invested in this company.

- **Jet Technology** in Massachusetts offers low-energy nuclear reaction systems using light water and specially-prepared nickel electrodes that produce from 300% to 700% more energy out than energy input.

- **Piantelli**, an Italian inventor, has patented a device using special electromagnetic features, hydrogen gas, and selected alloys to provide a high temperature, thermal energy source. His work is being funded by Fiat, the Italian automotive company.

- **James Patterson** [at Clean Energy Technologies], of Sarasota, Florida, has several patents issued on a simple system that produces complex nuclear reactions and is now being marketed for initial laboratory studies. In his laboratory, Patterson is working on the development of a kilowatt unit (now operating for several months) in which excess thermal energy is produced continually.

- **ENECO** (located at the University of Utah Research Park) has recently announced a new invention which is expected to be developed into commercial thermal power units.

- **The Cincinnati Group** has invented, developed, and is now offering its LENT-1 (Low-Energy Nuclear Transmutation) Kit with a money back guarantee that the user can produce nuclear reactions if the directions are precisely followed.

- **Trenergy, Inc.** (located at the University of Utah Research Park) has contracted to manufacture special power supplies for the LENT-1 Kit and has replicated and extended the low-energy nuclear reaction results claimed by the Cincinnati Group.

The above list is a sample of the many companies that are involved, world-wide, in the development and commercialization of new-energy devices. Scientists from each of these companies have presented papers about their work at scientific conferences and/or prepared papers for peer-reviewed scientific journals. Some of such technical papers, reporting on successful results, have come from scientists working in U.S. National Laboratories funded through the DOE.

### U.S. GOVERNMENT RECOGNITION OF NEW ENERGY

Officials of the Department of Energy are advised by professional advisory panels, boards, or committees. Such advisors are most often selected from universities being supported by DOE funds. With the estimated \$20 billion previously spent on hot fusion projects, DOE advisors are most

often selected from this hot fusion community of scholars. This incestuous relationship of "you fund us and we will advise you who to fund," has resulted in the official denial of funds to most of the new-energy developments. A university professor who has been supported by a multi-million dollar hot fusion contract and who becomes an advisor to DOE is unlikely to advise the government to fund a competitive low-energy technology. There would be very strong university pressure to continue in the development of hot fusion! This combination of federal funds, appointment to advisory groups, and the pressures for institutional funds on the advisors, has resulted in scientists becoming lobbyist with the following results:

- The Office of Patents and Trademarks has been advised not to allow patents on competitive technology to hot fusion.

- Leaders of some professional societies (such as the American Physical Society) have lobbied to prevent major peer-reviewed journals from publishing articles about competing technologies.

- Officials in Washington, without giving names or affiliations, have called heads of physics and chemistry departments in many major U.S. universities with the message: "If you have so much as a graduate student working on cold fusion, you will receive no funds from Washington!"

- Some grant funds, previously open to many varied technical approaches, have specifically listed certain energy technologies as being unacceptable for funding.

- In one case, a DOE official had his funds taken away and was transferred to another DOE office because he stated that he had funds for well-conceived proposals for projects competitive to hot fusion.

The strategy by opponents of low-energy nuclear reactions has been effective. By denying patents, denying government funds, denying the ability to publish in major journals, and having an official policy of the DOE that certain energy technologies do not function, new energy developments have been stopped or curtailed. There is almost no support by either large American corporations or by major U.S. universities for research and development of low-energy nuclear reaction technology. The campaign against low-energy nuclear reaction technology has been effective but has not totally stopped research and development activities in the United States.

PARADIGM SHIFT

There is also the problem of paradigm shift—the process of giving up old and cherished scientific models and developing new models to explain new discoveries. It is easier to deny new discoveries. Denial of the new has plagued inventors and scientists such as Edison, the Wright brothers, Goddard and his rockets, Fermi and atomic energy, etc. However, light bulbs light; airplanes fly; rocket ships go to planets; and atomic energy creates both bombs and power plants. Similarly, scientific truth can only be fought, not destroyed. Low energy nuclear reactions survive now and will flourish later.

The revolution in controllable nuclear transmutation has begun. One of the most important developments (electron clusters used in plasma-injected transmutation) has progressed without government funds. Only three privately-funded, small companies have been involved in the technology of plasma-injected transmutation (PIT).

The PIT process provides for making highly-dynamic charge clusters of electrons (about 100 billion electrons in a micron-sized toroid); attaching positive ions (about 1 ion for every 100,000 to one million electrons); accelerating the combined cluster in an electric field; and impacting the cluster onto selected targets. The process can be accomplished in low pressure gases, at atmospheric pressures, and in certain liquids using special electrodes. All three processes can produce controlled nuclear reactions.

Selecting various parameters (energy of charge cluster, type of positive ion, accelerating potential, target material, etc.), it has been shown that this new-energy technology can provide the following four processes:

- 1. The eradication of radioactivity of high-level radioactive wastes.
- 2. The development of clean, inexpensive, essentially unlimited thermal energy.
- 3. The production of some scarce elements from plentiful elements.
- 4. The design and construction of tabletop particle accelerators.

The least-known part of this technology is the production of charge clusters. However, five patents have issued for various embodiments of high-density charge cluster technology and at least three more are pending. Given the fact that a typical charge cluster of about 1 micron diameter can be produced, and that it can be surrounded with a positive-ion plasma, the standard classical physics and should not be anathema to yesterday's scientists. The dynamics of the charge cluster provide the

stability of the combined charge cluster (micro-mini ball lightning). The relatively small number of positive ions (1 per million electrons) means that the combined charge cluster can be accelerated almost the same as the electrons in a TV tube. Thus, a 5,000 volt potential can accelerate a combined charge cluster to about 0.1 speed of light. Protons, deuterons, or alpha particles accelerated to this velocity produce nuclear reactions on target metals (this is standard, classical physics).

By bombarding radioactive nuclei with such charge clusters, the induced nuclear reactions (primarily fissioning of the heavier elements) result in a reduction (with proper engineering, complete eradication is possible) of harmful radiation. Laboratory experiments show a dramatic reduction of, for example, thorium with relatively short-lived increases in alpha, beta, and gamma emissions (no neutrons detected above background). The end result is the transmutation of radioactive thorium into smaller-mass elements with the marked reduction of the naturally radioactive thorium. It is believed that this technology can be developed to eradicate the radioactivity in a variety of high-level radioactive wastes, including spent fuel pellets from commercial nuclear power plants.

This new technology is expected to have an enormous impact on the handling of high-level radioactive wastes. An amount of \$250 billion has been estimated by DOE officials for cleaning up over 150 weapons-related sites in various parts of the U.S. An estimated \$50 billion will be required to clean up the Hanford Site near Richland, Washington. Another \$9 billion is estimated to clean up the Idaho Nuclear Engineering and Environmental site. This new plasma-injected transmutation technology should be able to reduce these cleanup costs by billions of dollars. Every kilogram of radioactive elements, fissioned into stable elements, would result in saving the current estimated costs of geologic storage of \$2,500 per kilogram per year for over 10,000 years! Is there any other technology that has the potential of such an enormous return on investment for a few million dollars of development funds?

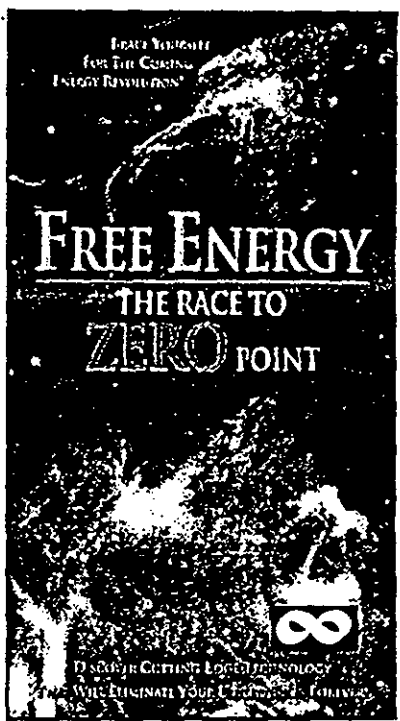
Our government spends billions of dollars on perceived threats to the security of this country and most of these threats never happen. The combined threats of global warming; polluted atmosphere from power plants and transportation vehicles; and a gradual decrease in the vitality of our biosphere are real, contemporary, and dangerous to our country and the world. Is it not reasonable that we should spend a small amount of government funds on a new technology that is already demonstrated to be a potential solution to this real threat?



FREE ENERGY:  
THE RACE TO  
ZERO POINT  
THE FIRST  
DOCUMENTARY ON  
PROGRESS  
IN FREE ENERGY

Thomas Valone, M.A., P.E.  
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ABSTRACT

For the first time, the "free energy" movement has been documented. Also called "non-conventional" energy (coined by George Hathaway in 1981) and recently "new" energy (by the Academy for New Energy), the type of energy that is free to use, without "usage" cost or "utility" cost, is a dream that is held by millions of people. Most still don't believe it is possible. That is why this film was made: to convince the public that free energy is real and the generators exist.

INTRODUCTION

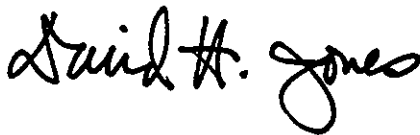
In 1994, I was fortunate to attend a conference in Nevada where I met Brenda Roberts, the host of a Seattle cable TV series called Journey. When we talked

The FFTF is a safe machine, as its operating record can attest. The operation of the FFTF has never been a threat to the environment. The FFTF has a remaining useful life of between 20 and 30 years. Recent clinical trials using radioisotopes have proven very successful in treating forms of cancer and restenosis, and recent treatments of bone cancer pain and prostate cancer using radioisotopes have also been very successful. These trials and treatments point the way to cost reduction of treatment to patients, and to the improved quality of human life after the treatments.

Some of these treatments and clinical trials have had to be stopped because of a lack of supply of the needed radioisotopes. One of the conclusions of the Symposium here in Richland last September was the lack of a steady and reliable source of isotopes. As these trials move to the treatment stage, the FFTF will be needed to supply the quantities and diverse types of radioisotopes that will be required after the trials have moved to the treatment stage, and the demand for treatment from patients becomes very large.

Further, the FFTF can be used to reduce the nation's supply excess weapons plutonium. Also, the FFTF can be used to produce tritium to meet our treaty obligations--if that becomes necessary. There is no more economical way to produce this tritium--if it becomes necessary.

Therefore, the cleanup requirements and milestones in the Tri Party Agreement for the FFTF should be deleted until such time as the end of lifetime of this facility has been determined. At that time, the new requirements and milestones can be determined and inserted into the Tri Party Agreement.

A handwritten signature in cursive script, reading "David H. Jones". The signature is written in dark ink and is positioned above the printed name.

David H. Jones

U.S. Department of Energy  
825 Jadwin Avenue  
Richland, Washington 99352

January 22, 1998

**Subject: Public Meeting - FFTF Transition Milestone Change**

This letter contains my comments on the removal of the Fast Flux Test Facility (FFTF) from the Tri-Party Agreement (TPA) milestones for the purpose of producing tritium and medical isotopes.

I am a long time resident of Benton County, Washington, a Certified Safety Professional, and a Registered Professional Engineer with over 20 years of consulting and operating experience within the U.S. and foreign nuclear industries.

### **FFTF for Tritium Production**

The U.S. Congress has assigned DOE the responsibility of providing sufficient quantities of materials, such as tritium, to ensure the security of the U.S. As a citizen of the U.S., I expect the Department to deliver on this responsibility. As a taxpayer, I also expect the Department to provide these materials in a safe, timely, and cost-effective manner. Of the alternatives offered for producing tritium, the use of the FFTF Facility is by far the best in achieving these goals.

The DOE should clearly recognize that producing tritium in the most cost effective manner will make available more resources for other programs, like environmental restoration.

### **Medical Isotope Production**

I have worked for a number of years in the medical isotope industry including production of materials in small reactors, processing of radioisotopes in preparation for human use, assisting in thousands of diagnostic and therapeutic procedures, and management of medical isotope wastes. This basically covers all aspects of the industry. Throughout this experience, I have recognized four indisputable facts.

- The industry is well regulated and hazards to workers and the public are very well controlled
- Tens of thousands of U.S. citizens are alive and healthy today as a direct result of using medical radioisotope procedures

- There is no reliable U.S. supplier for a number of medical isotopes
- The U.S. has only scratched the surface of the potential medical benefits these materials could provide because of their restricted availability.

The FFTF Facility at Hanford is probably the best opportunity the United States has to ensure a reliable supply of diagnostic, therapeutic, and research radioisotopes. In the time period of ten to twenty years, the payback could be worth tens of millions of dollars. The benefit of saving thousands of lives using medical radioisotopes is priceless.

The dual FFTF mission of tritium and medical radioisotope production is beneficial from all aspects. Some examples are:

- Production of tritium in FFTF would help meet the U.S. strategic defense needs during a projected shortfall
- Production of tritium in FFTF would be cost-effective when compared to spending \$10 to \$15 Billion dollars on an unproven concept (i.e. accelerator)
- Production of tritium in FFTF would be cost-effective when compared to spending billions of dollars purchasing a used commercial power reactor near the end of its design life
- Operating FFTF for these two missions would contribute to the plutonium disposition program
- An initial tritium production mission would help the medical isotope production mission become viable.

For these reasons, I encourage the Department of Energy to use the FFTF Facility in the dual role of tritium production and medical radioisotope production. I further request the decontamination and decommissioning activities associated with the FFTF be removed from the Tri-Party Agreement milestones. Thank you.

Sincerely,



William N. Herrington III  
70305 E 710 NE PR  
Richland, Wa 99352

002200

9600 South Bank Drive  
Roseburg, Oregon 97470-9482  
(FAX-Phone 541/672-0932)

December 31, 1997

ERNEST HUGHES  
U S DEPT of ENERGY  
PO BOX 550 N2-36  
RICHMOND WA 99352

Ref: 1) Letter, Peterson to Hughes Dated 12-18-97  
2) Letter, DOE to Peterson dated 12-22-97

Dear Mr. Hughes:

In accordance with references 1 and 2, I wish to make a comment for the public record regarding the FAST FLUX TEST FACILITY currently being considered for delay of disassembly for approximately 20 years. Facility location is Hanford Washington and nuclear material which is planned for future production in the facility will be Tritium for making atomic bombs.

There are many reasons that the facility must be disassembled and destroyed, Following are several I believe are very important:

Applicable Quotation: The DOE's Office of Defense Programs says this plan is dangerous: "modifying a test reactor to the strength capacity as production machine ... places the plant at risk"

from  
Kelly → Warnick  
e-mail of 7/25/96

The people of the United States are placed at risk of FAILURE of the nuclear facility, and as a result severe personal and national losses in lives, lands and improvements would result if contamination is widespread. this is intolerable and must not exist.

The U.S. should be setting an example that we expect all the other nations of the world to follow, that is the immediate down sizing and elimination of nuclear weaponry manufacturing potential worldwide.....

The United States must not create a new and aggressive stand which will be emulated by others. I consider this an incomprehensible action by the U.S.

Sincerely,

  
Everett Peterson

CC: Secretary of Energy, Congressional representatives  
G SMITH, R WYDON, P DeFAZIO



002201

## WHITMAN COLLEGE

Division of Humanities and Arts  
Walla Walla, Washington 99362  
(509) 527-5248/FAX (509) 527-5039

January 22, 1998

Ernest J. Hughes, U.S. Department of Energy  
P.O. Box 550 N2-36  
Richland, WA 9352

Dear Mr. Hughes:

I would like to urge you not to support the exemption of the FFTF reactor at Hanford from the TriParty Agreement.

The already-dangerously polluted Hanford should not be the site for more radioactive pollution. Production of tritium would only subject the residents of Washington state to more radioactive contamination.

Evidence is overwhelming that there is no need for additional tritium production for warheads at this time; and it is unlikely that it will be needed in the future. I think it is an embarrassment for our country to be involved in more nuclear weapons production at a time when we are rightly urging the rest of the world to reduce theirs.

The overwhelming majority of physicians (including the Physicians for Social Responsibility) indicate that there is no need for the production of medical isotopes at Hanford. I am a cancer patient, and would never ask that the welfare of my children and wife and other residents of the NW be put at risk for unnecessary research.

We need to stop using eastern Washington as a testing ground and radioactive dump. It is an insult to accept the transportation of additional plutonium, the waste of other facilities outside this country, to our area.

I hope we can count on your support for the wellbeing of citizens of Washington state.

Sincerely,

Dennis Crockett

See title

002202

----- Message Contents -----

Dear Mr. Hughes:

I am writing to express my deep dismay over the proposed use of the Fast Flux Test Facility at Hanford for the purpose of producing tritium. This would be a clear return to the making of nuclear weapons at Hanford ? after the Tri-Party Agreement guaranteed that Hanford's days as a weapons center were over. This is unacceptable.

I understand that some interested parties claim that the proposed use of FFTF for making bombs would have a peaceful side effect, that of creating medical isotopes. This week I attended the public hearing on this issue at Seattle Center, where I heard the two heads of the U.W.'s radiation research laboratory, the precise people who would be using these isotopes, testify that there is no need for any new source of such medical isotopes, either now or in the future.

The FFTF was not designed for the kind of production that it is now be considered for. For the production of tritium, many tons of weapons grade plutonium will have to be shipped into Washington state. We don't want it here, and I doubt whether the citizens of the states it will have to pass through on its way here want it on their land, either, no matter how fleetingly. We don't need the bombs that the proposed renewed weapons program would create, we don't need the increased pollution the project would generate, and we don't need the greatly increased risk of a nuclear accident in an area where explosions seem to regularly blow the roof off tanks of radioactive chemicals.

Sir, please keep to the letter of the law, and SHUT DOWN THE FFTF.

Sincerely, David Thornbrugh



5828 Roosevelt Way NE  
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peaceact@scn.org

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## Peace Action Opposes Tritium Production at Hanford

Peace Action of Washington, formerly Washington State SANE/FREEZE, represents more than 15,000 households in this state, and is part of a nationwide network of Peace Action chapters with a total membership of 60,000. We stand with other organizations and individuals here and throughout the country in strong opposition to the restart of Hanford's Fast Flux Test Facility for the production of tritium, the gas that makes nuclear bombs into thermonuclear bombs so that they may incinerate even larger populations.

We have been through this process before. We participated in good faith by submitting testimonies and comments during the development of the Department of Energy's Environmental Impact Statement for Tritium Supply and Recycling. That document, completed in October 1995, states that "Relying on the ability to modify and operate Fast Flux Test Facility well into the middle of the next century is not a reasonable alternative." **READ YOUR OWN REPORT.**

In our view, the fact that the FFTF is again under consideration for a nuclear bomb mission, years after the Department of Energy decided to shut down the aging reactor permanently, is the result of the worst brand of pork barrel politics. But this pork comes at the expense of public safety and common sense.

Producing tritium at the FFTF would add to the vast amounts of deadly radioactive and chemical waste already at Hanford. It would entail transporting tons of weapons unusable plutonium into Washington State where it would be converted into reactor fuel at the previously unused, and, therefore, uncontaminated, Fuels and Materials Examination Facility. It will complicate the already daunting task for cleaning up the horrible environmental legacy left by decades of nuclear weapons work at Hanford.

The Department of Energy made the right move in 1990 when it changed Hanford's mission from nuclear production to environmental restoration. We urge you to reject any policy that would divert focus away from cleaning up the nightmarish mess at Hanford.

The United States does not need a new tritium source. Tritium from nuclear warheads being retired under the provisions of the Strategic Arms Reduction Talks can be recycled into warheads remaining in the arsenal.

Last week, Russian President Boris Yeltsin renewed his call for Duma ratification of the second START treaty. Russian ratification of START II would effectively postpone the "need" for new tritium until at least 2011. Presidents Clinton and Yeltsin already have committed to the framework for a START III treaty that would reduce the former Cold War adversaries' nuclear arsenals to roughly 2,000 strategic warheads each – delaying the "need" for new tritium even further into the 21<sup>st</sup> Century.

The Congressional Budget Office in May 1997 estimated that under one possible START III treaty, the United States could save up to \$5.8 billion between 1998 and 2010 by deferring investments into a new source for tritium.

Again, I refer to the Department of Energy's Programmatic Environmental Impact Statement on Tritium Supply and Recycling:

"If the need for new tritium were significantly later than 2011, the Department would not have a proposal for new tritium supply, and would not be preparing a Programmatic Environmental Impact Statement for Tritium Supply and Recycling." READ YOUR OWN REPORT.

Resuming tritium production now would send a strong signal to Russia and the rest of the world that the United States plans on maintaining a HUGH nuclear arsenal indefinitely. It is a move out of step with the growing international momentum toward nuclear disarmament. From an environmental, economic and national security standpoint, securing further progress toward nuclear disarmament makes more sense than seeking a new source of tritium, at Hanford or anywhere.